

INTERNAL ID	GROWER CITY	GROWER COUNTY	GROWER STATE	ACRES INTENDED	ACRES AFFECTED
279928	EMINGTON	LIVINGSTON	IL	80	
280189	RANSOM	LA SALLE	IL	156	
280190	SENECA	LA SALLE	IL	55	
280191	BLACKSTONE	LIVINGSTON	IL	120	
281473	ODELL	LIVINGSTON	IL	80	
281956	GARDNER	GRUNDY	IL	5	
281957	MORRIS	GRUNDY	IL	5	
275544	LEBO	COFFEY	KS	1000	
275905	DENTON	DONIPHAN	KS	80.	
275908	DENTON	DONIPHAN	KS	110	
275925	LANCASTER	ATCHISON	KS	34	
275927	SENECA	NEMAHA	KS	300	
276316	WHITE CLOUD	DONIPHAN	KS	50	
276322	POWHATTAN	BROWN	KS	200	
276398	WATHENA	DONIPHAN	KS	80	
276402	HIAWATHA	BROWN	KS	24	
279325	WAMEGO	POTTAWATOMIE	KS	400	
279336	WATHENA	DONIPHAN	KS	222	
280336	GARNETT	ANDERSON	KS	80	
280342	GARNETT	ANDERSON	KS	200	
280918				120	
280922	PRINCETON	FRANKLIN	KS	50	

PRIMARY PRODUCT	PRIMARY_PRDT_APPLY_DT
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Engenia	1-Jun-2017
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Engenia	30-May-2017
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Engenia	17-May-2017
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Engenia	5-Jul-2017
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Engenia	30-May-2017
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Engenia	30-May-2017
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Engenia	16-May-2017
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Engenia	1-Jun-2017
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Engenia	7-Jun-2017
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Engenia	6-Jun-2017
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Engenia	25-May-2017
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Engenia	19-Jun-2017
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Engenia	15-Jun-2017
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Engenia	8-Jun-2017
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Engenia	25-Jun-2017
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Engenia	8-Jul-2017
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Engenia	24-Jun-2017
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Engenia	23-Jul-2017
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Engenia	23-Jul-2017
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Engenia	18-Jul-2017
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Engenia	20-Jul-2017
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FSR_COMMENTS

field edge affected most with dicamba drift.

Engenia acres applied west of affected field 75.02

very minor cupping

Affected grower has turned everything over to the State of Kansas and an inspector has already been out collecting tissue samples and spray records cupping on non-dt soybeans observed on East side of field. Field sprayed with Engenia was across the road, east of the affected field. Grower applicator was not aware of label change on roadside ditches no longer being counted as part of buffer. Talked through this with him and is now aware of change.

Grower applicator said wind was blowing toward non-DT bean field. Discussed need to adhere to buffer zone requirement due to wind speed and direction at time of spraying

DT soybean field located S and E of off-target areas. Symptomology noted as far as 1.5 miles from target site.

Symptomology consistent with a drift incident that occurred 55-60 days from day field was looked at. Retailer who sprayed field to the West sprayed it 5 weeks ago.

Field affected is a field of seed production for Stine

Affected soybean plants still actively growing and putting on pods

Affected plants still producing growth, blooms and pods

Affected Plant Species	Primary Symptomology
Soybeans (RR)	leaf cupping
Soybeans (Conventional)	leaf cupping, terminal inhibition
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Non-DT soybeans (LL and RR)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Symptoms Severity	Distance from Target	Buffer Zone	Wind Speed
Minor dicamba symptomology with cupping of soybeans leaves on field edge.	150	110	7
cupping of soybean leaves			
injury greater on field edge first 8-12 rows closest to Engenia sprayed field. Terminal bud injured.			
gradient symptomology through field	20	0	8
minor symptomology of cupped leaves on field edges.			
gradient symptomology across field.	400	0	8
dicamba symptomology most severe on field edges with			
gradient symptomology across field	120	0	7
cupping of soybean leaves. gradient symptomology across field	175	110	8
slight cupping of leaves. gradient symptomology across field	110	110	3
cupping of soybean leaves across field may be caused from another application still trying to learn what was applied in crop.			
some increased cupping in field edge across road from Engenia applied field. Not severe and does not appear to be yield limiting.	75	0	4
Grower has been affected by at least four other farmers.			
Cupping of soybean leaves affecting new growth. Terminal nodes do not appear to be affected. Plants are stunted and grower is concerned about canopy closure and the need for additional weed control because of lack of canopy. Patterns exhibited indicate physical drift. Some fields suggest that buffer zone was not followed or a shift in wind direction and/or speed was present	2000	110	5-10
leaf cupping	80	0	6
leaf cupping and burn spots on leaves	300	110	6
leaf cupping	50	0	6
leaf cupping	500	0	3
leaf cupping	250	0	7
leaf cupping	400	110	5
Leaf cupping	300	0	6-10
leaf cupping	1200	110	5-8
leaf cupping on new growth	7900	110	6-9
Cupping of new growth	200	0	3-10
Leaf cupping	2640	0	5-8 variable
Leaf cupping, broadleaf weeds on South end of non-target field displaying auxin symptomology as well	200	0	5-8 variable
cupping of leaves on new plant growth	900	0	12
cupping on new leaf growth	80	0	12

Wind Direction	Primary Environmental Factor	Secondary Environmental Factor
NE	N/A	
W	N/A	
W	N/A	
W	N/A	
W	N/A	
SW	N/A	
NE	N/A	
SE	N/A	
S	Other	Wind event
SE	N/A	no rain for 8 days following application
S	N/A	
N	Other	
NW	N/A	
S	N/A	
NW	Other	Physical drift from wind
N	N/A	
S	N/A	From BASF Weather Tool...Temperature at 82 degrees at start time, increased to 89 degrees at end. Highest gust 13mph, humidity <50%
SE	N/A	DT Field sprayed by retailer is separated by a tall grass levy from the affected field.
S	N/A	Weather data app shows wind speed up to 15 mph out of SW. Off-target was North of target field
S	N/A	Target field directly South of non-target field. Weather data shows wind speeds of 15 mph out of SW
SW	Other	Physical drift noted. Pattern consistent with a sustained wind out of the S/SW
S	Other	Sprayer not completely free of Engenia. Grower applicator switched to Roundup as he was close to non-DT field. He did not triple rinse

Sprayer Pressure	Sprayer Speed	Carrier Volume	Boom Height	Boom Width	Primary Nozzle Type	Nozzle Spacing
40	8	15	12	100	TeeJet TTI11004 (Red)	20
50	10	15	12	100	TeeJet TTI11004 (Red)	15
50	10	15	12	100	TeeJet TTI11004 (Red)	15
50	10	15	12	100	TeeJet TTI11004 (Red)	15
50	8	15	12	100	TeeJet TTI11004 (Red)	15
50	12	15	12	90	TeeJet TTI11004 (Red)	15
50	12	15	12	90	TeeJet TTI11004 (Red)	15
40	10	13	24	80	TeeJet TTI11004 (Red)	30
45	8	12	24	100	TeeJet TTI11004 (Red)	30
50	8	15	24	80	TeeJet TTI11004 (Red)	30
45	8	15	24	100	TeeJet TTI11004 (Red)	30
40	8	10	24	100	TeeJet TTI11004 (Red)	30
45	7	10	24	80	Wilger DR110-10	15
40	8	13	24	100	TTI11003	15
40	7	15	24	80	Hypro ULD120-04	15
12	7	15	24	100	TeeJet TTI11004 (Red)	15
55	13	14	24	120	TeeJet TTI11004 (Red)	15
45	10	25	24	80	TeeJet TTI11004 (Red)	25
45	10	10	24	80	TeeJet TTI11004 (Red)	15
45	10	10	24	80	TeeJet TTI11004 (Red)	15
30	7	13	24	80	Guardian Air Nozzle from Hypro tip size .025	15
30	8	12	24	80	Hypro Guardian Air nozzle tip size of .025	15

Latitude	Longitude	Comments
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281859 WELLSVILLE	FRANKLIN	KS	120
282116 MARYSVILLE	MARSHALL	KS	80
282117 HOME	MARSHALL	KS	40
277197 ALTONA	KNOX	IL	90
277648 PIQUA	WOODSON	KS	70
280163 NEWTON	HARVEY	KS	80
275313 BELVIEW	REDWOOD	MN	80
278957 MONTEVIDEO	CHIPPEWA	MN	25
278961 MELROSE	STEARNS	MN	160
278963 HANLEY FALLS	YELLOW MEDICINE	MN	13
278964 CLARKFIELD	YELLOW MEDICINE	MN	100
278965 MAYNARD	CHIPPEWA	MN	100
278966 ELROSA	STEARNS	MN	60
278969 WOOD LAKE	YELLOW MEDICINE	MN	30
278971 MURDOCK	SWIFT	MN	80
278980			30
278530			45
278531			15
278532 HIGGINSVILLE	LAFAYETTE	MO	41
278534			
278663			15
278671 CAIRO	RANDOLPH	MO	20
278675 CAIRO	RANDOLPH	MO	20
278676 CAIRO	RANDOLPH	MO	18
278677 CAIRO	RANDOLPH	MO	56
278818 GLASGOW	HOWARD	MO	68
278826			80

Engenia 18-Jul-2017

Engenia 1-Jul-2017

Engenia 19-Jun-2017

Engenia 20-Jun-2017

Engenia 26-Jun-2017

Engenia 10-May-2017

Engenia 26-Jun-2017

Engenia 20-Jun-2017

Engenia 5-Jul-2017

Engenia 3-Jul-2017

Engenia 1-Jul-2017

Engenia 6-Jul-2017

Engenia 2-Jul-2017

Engenia 6-Jul-2017

Engenia 21-Jun-2017

Engenia 6-Jul-2017

Engenia 20-Jun-2017

Engenia 15-Jun-2017

Engenia 20-Jun-2017

Engenia 15-Jun-2017

Engenia 20-Jun-2017

Engenia 20-Jun-2017

Engenia 21-Jun-2017

Engenia 9-Jun-2017

Engenia 15-Jun-2017

Engenia 15-Jun-2017

Affected soybean plants still actively growing and putting on pods
Have no information from spray application. Symptoms are consistent with application on or around July 1. Field has had minimal rainfall for 60 days.

Grower had tissue analysis done on affected field. Results showed 23.6 ppb dicamba and 67.1 ppb 2,4D

It's apparent there was another growth regulator herbicide applied by the state or county that potentially caused plant mortality of the Extend beans and cupping on the RR2 beans.

Only slight cupping of upper leaves

The grower is concerned that he will not be able to market his crop as they are seed production

Noticed some leaf cupping on the soybeans south of his house. Symptomology was slightly worse by his house. Investigated and visited on 7/21.

Cupping observed on soybeans, east of the field that was custom applied. The cupping goes the whole mile of field.

Investigated on 7/26 w/ Beans are growing out of the cupping symptoms.

Discussed nozzle selection and temperature inversion. 2 different spray dates, both sprayed in the evening

Investigated on 7/21. Noticed cupping on soybeans. Appear worse on the south end vs north end. The grower did not know spray dates or times. He has 2 fields around the plot, sprayed on 2 different spray dates. I was told that they had bordered their fields with the TTI nozzles and then switched to the XR11004 nozzles for the inner portion of the fields to test for efficacy.

Observed field on 7/31 Cupping is in the first 10-20 rows of the adjacent soybeans

Observed on 7/31

Observed on 7/31. Cupping was limited to the first 10-20 rows

[illegible]

cupping of leaves on new plant growth	900	0	12
Leaf cupping, growth stunted	75	0	10
Leaf cupping, stunted growth. All conversation was with affected grower do not have spray records from applicator. Date of app is assumed as he called grower and told him he was spraying	60	0	5-8
Leaf cupping	110	110	5-10
Upward and downward cupping and some leaf crinkling. on third trifoliate from the top of the plants.	100	100	5
very slight to moderate leaf cupping.	0	0	10
General cupping of leaves noted across the entire adjoining field	2	88	15
Cupping, Investigated on 7/19 . Noticed some cupping on the North side of the field.	20	0	3-6
Cupping, . Some cupping on the south end of the field adjacent to the treated field. We were informed that the area south of the road and the headlands had a double rate of Liberty and AMS. Some cupping also observed on the NW side of the field adjacent to a different grower.	10	120	10-15
Cupping	120	0	9
Cupping	100	0	5
Cupping	400	0	3
Leaf Cupping	250	0	3
Cupping	0	120	9
Slight cupping on the S side of adjacent field to the North. Some cupping related to the spot treatment on the border. Some cupping from lack of moisture also observed	0	120	10-15
Leaf cupping	0	120	9
Cupped Beans	50	200	7.8
Cupped Beans	50	200	7.4
Cupped Beans	50	200	6.4
Cupped Beans	0	200	10.6
Cupped Beans	0	200	7.4
Cupped Beans	700	300	12
Cupped Beans	700	300	12
Cupped Beans	200	100	9
Cupped Beans	800	100	9
Cupped Beans	100	100	6
Cupped Beans	100	100	6

SW	Other	Physical drift noted. Pattern consistent with a sustained wind out of the S/SW
S	Other	Not much is known. Affected grower called me 45 days after seeing symptoms. Tried to get applicator to call in and never did
N	Other	Day of app wind out of North, next day out of SW, next day out of S. Analysis taken on affected field: 23.6 ppb dicamba & 67.1 ppb 24D
SW	N/A	Grower did not include a DRA as required by the tank-mix partner.
SE S	Other Temperature Inversion	Wind direction and formulation of Dicamba
NW	N/A	
NE	Temperature Inversion	
SW	Other	
SE	N/A	
NW	N/A	
N	Temperature Inversion	
S	Temperature Inversion	
S	Other	
SE	N/A	
S	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
W	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
SW	N/A	

30	7	13	24	80	Guardian Air Nozzle from Hypro tip size .025	15
45	10	10	24	90	TeeJet TTI11004 (Red)	15
45	8	10	24	90	TeeJet TTI11004 (Red)	15
25	10	12	24	90	TeeJet TTI11004 (Red)	20
60	12	15	24	100	TeeJet TTI11004 (Red)	20
45	10	5	23	80	green leaf ELR	20
50	12	15	24	88	AI11005	20
40	10	10	24	90	TeeJet TTI11004 (Red)	20
50	15	12	24	120	TTI11005	20
50	12	18	24	120	UR110-10	20
50	12	18	24	120	UR110-10	20
60	15	5	30	60	TT11002	20
50	15	7	24	90	TeeJet TTI11004 (Red)	20
50	10	20	24	120	TeeJet TTI11004 (Red)	20
50	9	15	20	120	DR110-10	20
50	10	20	20	90	TeeJet TTI11004 (Red)	20
38	9	13	24	100	TeeJet TTI11004 (Red)	20
38	13	9	24	100	TeeJet TTI11004 (Red)	20
38	9	13	24	100	TeeJet TTI11004 (Red)	20
38	13	9	24	100	TeeJet TTI11004 (Red)	20
38	13	9	24	100	TeeJet TTI11004 (Red)	20
38	13	9	24	100	TeeJet TTI11004 (Red)	20
40	12	12	16	100	DR110-10	20
40	12	12	16	100	DR110-10	20
40	13	12	16	100	DR110-10	20
40	13	12	16	100	DR110-10	20
40	15	15	24	100	Combo Jet DR110-10	20
40	15	15	24	100	Combo Jet DR110-10	20

274865 CEDAR BLUFFS	SAUNDERS	NE		5
275022				60
275045 COLUMBUS	BARTHOLOMEW	IN	30	
275254 SAINT JOSEPH	BUCHANAN	MO	80	
275953 SEVEN SPRINGS	WAYNE	NC	90	
275959 CONETOE	EDGECOMBE	NC	25	
275980 BROWNSTOWN	JACKSON	IN	3	
275985 LAKEFIELD	JACKSON	MN	35	
277601 COLUMBUS	BARTHOLOMEW	IN	50	
277643 GILTNER	HAMILTON	NE		155
277645 WOOD RIVER	HALL	NE	150	
277829			7	
277859 Lubbock	Lubbock	TX	67	
277863			2	
277865			2	
277867			27	
277869			20	
277871			25	
277872			35	
277873 FALLS CITY	RICHARDSON	NE	2	
277875 HIAWATHA	BROWN	KS	4	
278790			85	30
278796 HOLLIDAY	MONROE	MO	120	

Engenia	6/15/2017I51I39H5H51:Q51
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Engenia	9-Jun-2017
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Engenia	7-Jun-2017
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Engenia	27-Jun-2017
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Slight cupping of newest leaves, slight crinkling/puckering of leaves on some plants. Soybeans were 4" and smaller. Terminal Bud healthy. Injury symptoms extend 100-150' into field. Possibly 4-5 acres impacted. If target plants were south of the dicamba resistant beans, wind from SW blowing to NE. Cupping of soybean leaves on new leaves and new triflate. Engenia moved approx. 1200 feet across the 80 acre field affecting approximately 50-60 acres. This field is at 4th triflate pod are 3/8.

Saw a number of beetles

Liberty soybeans showing cupping of new leaves & growing points. Symptoms of low dose growth regulator.

Neighboring tobacco field showing cobra-leafing in new growth. Symptomology appears more severe closet to the soybeans and fades further from the soybeans. Close proximity tobacco showing new leaf rolling and cobra-leafing. Some stunting in closest corner.

Puckered leaves only

Puckered and cupped leaves.

Engenia was farmer applied by the Koep's

Cupped leaves

Cupping of leaves - decreases as you move East across the field. Engenia sprayed on Field across road to the west. Wind was blowing SE. Total acres in field with alleged issues is 155 acres. Buffer does not appear to be observed. Soybeans were cupped, new leaves still emerging. Seemed to be uniform across the field. Southwest corner may have been slightly more impacted.

Cupping of leaves, stunted growth, visual on south end of field and along west edge. South end of field would not get as much irrigation water due to grain bins.

Engenia applied by the grower on his own crop of cotton. I was contacted to investigate the alleged drift. After investigating the field with the grower I found no dicamba symptomology on the adjacent field. Nor did I find Dicamba symptomology on weeds in the same field. In the 200 ft. of buffer zone, there was no sign of Engenia or dicamba symptomology on the weeds in the buffer zone. Slight cupping, some puckering of leaves. Growing plant is healthy. Mainly symptoms on the south edge of the field. 1000 ft & 500 ft.

Plants very healthy. Growing plants healthy. No typical symptoms. Some cupping in small area of field - decreases as go across field.

Visible cupping of leaves, some puckering. Growing plant is healthy and growing.

Some puckering & cupping of leaves. Growing plant is healthy.

Slight cupping on plants. Growing plant healthy and growing.

slight to moderate cupping on newest trifoliolate leaves. Growing plant healthy and growing. Symptoms extend across the field.

Very slight cupping on leaves. No typical symptoms, scattered. Plants very healthy and actively growing.

Cupping, puckering very visible on newest trifoliolate leaves. Approx. 31 rows wide and 1/3 mile long.

Growing plant is healthy and growing.

30 acres of cupped leaves in non-DT soybean field.

cupping, terminal bud not inhibited.

Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	leaf cupping
Tobacco	leaf cupping
Tobacco	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Cotton (non-DT)	not dicamba
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

slight cupping of newest leaves, slight crinkling of leaves on some plants, no terminal bud damage	32	120	4-5
cupping of new leaves and growing plants	1200	120	7
cupped leaves	50	50	11
cupping of new leaves and growing points	150	0	4-7
Cobra - leafing on new growth	60	60	8.3
Rolled edges on new leaves, some stunting only puckered leaves	20 20	20 110	6 4
Cupped Leaves	0	50	10
cupped leaves	20	100	5.8
cupping of leaves	75	75	9
cupping of top leaves, new leaves still emerging	20	20	6
cupping of leaves, new growth not cupping	100	100	12
Wind & Sand damage, Thirp (insect) Damage	200	200	5.5
Slight cupping & puckering of leaves, growing plant healthy. Plants look healthy. Growing plant healthy. Some cupping in small area of field. Decreases as go across field. No typical symptoms.	0 120	110 220	8 9
Visible cupping of leaves, some puckering, growing plant is healthy and growing.	50	150	9
some cupping of leaves, puckering of leaves, growing plant is healthy.	60	160	9
slight cupping of leaves, growing plant is healthy. symptoms across the field. Slight to moderate cupping & puckering of newest leaves. Growing plant healthy and growing.	20 75	120 175	10 13
Plants very healthy. Very Slight and scattered cupping, puckering. Growing plant healthy.	500	500	10
puckering & cupping of newest trifoliolate - growing plant healthy & growing.	50	50	7
cupping of leaves	120	120	10
Cupping, terminal bud not inhibited	600	0	9

NE	N/A	
SW	N/A	
		6/13 - 1.9"
		6/14 - 2"
NE	Unusual Rainfall	6/15 - 1.11"
SW	Temperature Inversion	
SW	N/A	
SW	N/A	
E	N/A	
NW	N/A	
N	N/A	Also, sprayed on 6/10/17 from 8:30 AM - 9:40 AM. Wind speed 5.8mph, Wind Direction SW
SE	N/A	
NW	Temperature Inversion	
S	N/A	
SW	N/A	
NE	N/A	
NE	N/A	
NE	N/A	
NE	N/A	
S	N/A	
NE	N/A	
N	N/A	
E	N/A	
SW	Temperature Inversion	
SE	N/A	

50	8	15	24	120	TeeJet TTI11004 (Red)	20
38	10	15	24	100	TTI11005	20
60	13	14	25	100	TeeJet TTI11004 (Red)	15
50	9	15	24	100	TTI110	20
35	10	10	24	90	TTI11005	20
35	10	12	18	120	TTI11005	15
40	13	15	20	120	DR11010	20
40	12	10	20	90	TeeJet TTI11004 (Red)	20
55	13	15	20	100	TeeJet TTI11004 (Red)	15
38	9	12	20	120	03	15
50	12	15	20	120	TeeJet TTI11004 (Red)	30
50	15	15	18	120	TeeJet TTI11004 (Red)	15
30	12	12	24	100	TTI	24
35	11	13	40	100	TTI11005	20
35	11	13	24	100	TTI11005	20
35	11	13	24	100	TTI11005	20
35	11	13	24	100	TTI11005	20
35	11	13	20	100	TTI11005	20
35	11	13	40	100	TTI11005	20
35	6	15	24	100	TeeJet TTI11004 (Red)	20
31	6	15	24	100	TeeJet TTI11004 (Red)	20
50	15	15	18	120	TeeJet TTI11004 (Red)	15
50	10	12	24	90	TeeJet TTI11004 (Red)	20

278989 GREENSBURG	DECATUR	IN	67	20
278990 GRACEVILLE	BIG STONE	MN	65	25
278995 GLENBURN	RENVILLE	ND	160	10
278997 Bottineau	Bottineau	ND		80
279514 HORNICK	WOODBURY	IA	140	
279515 HORNICK	WOODBURY	IA	425	
279519 HORNICK	WOODBURY	IA	425	
279523 HORNICK	WOODBURY	IA	425	
279524 HORNICK	WOODBURY	IA	425	
279530 HORNICK	WOODBURY	IA	425	
279538 HORNICK	WOODBURY	IA	425	
279544 CROTHERSVILLE	JACKSON	IN		110
279994 Hanska	Brown	MN	75	12
279996 Hanska	Brown	MN	72	15
280000 Janesville	Waseca	MN	150	80
280912 REPUBLIC	REPUBLIC	KS	42	
280915 CLYDE	CLOUD	KS	225	
280916 SEYMOUR	JACKSON	IN	13	
280923 RIDGWAY	GALLATIN	IL	35	
280927 JANESVILLE	WASECA	MN	225	
280930 CROTHERSVILLE	JACKSON	IN	60	5
281032 RUSKIN	NUCKOLLS	NE	126	
281036 ELMWOOD	CASS	NE	103	
281038 ELMWOOD	CASS	NE	77	
281042 DAVISON	GENESEE	MI	40	
281050 CROTHERSVILLE	JACKSON	IN	25	
281053 CROTHERSVILLE	JACKSON	IN	80	5
281078 HERTFORD	PERQUIMANS	NC	98	5
281701 CROTHERSVILLE	JACKSON	IN	3	5
281702 COLUMBUS	BARTHOLOMEW	IN	20	15
281727 FAIRFIELD	WAYNE	IL	20	30
281729 ELLERY	EDWARDS	IL	38	20
281731 WEST SALEM	EDWARDS	IL	30	5
281733 WEST SALEM	EDWARDS	IL	60	30
281734 BURNT PRAIRIE	WHITE	IL	40	40
280902 COLUMBIA CITY	WHITLEY	IN	15	

Engenia	28-Jun-2017
Engenia	29-Jun-2017
Engenia	20-May-2017
Engenia	29-Jun-2017
Engenia	26-Jun-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	6-Jul-2017
Engenia	21-Jun-2017
Engenia	15-Jun-2017
Engenia	26-Jun-2017
Engenia	16-Jun-2017
Engenia	6-Jul-2017
Engenia	6-Jul-2017
Engenia	20-Jun-2017
Engenia	26-Jun-2017
Engenia	15-Jun-2017
Engenia	12-Jul-2017
Engenia	8-Jul-2017
Engenia	8-Jul-2017
Engenia	28-Jun-2017
Engenia	25-Jun-2017
Engenia	25-Jun-2017
Engenia	11-Jul-2017
Engenia	27-Jun-2017
Engenia	13-Jul-2017
Engenia	3-Jul-2017
Engenia	8-Jun-2017
Engenia	9-Jun-2017
Engenia	20-Jun-2017
Engenia	10-Jul-2017
Engenia	23-Jun-2017

Cupped Leaves on approximately 20 acres
Dicamba symptomology on neighboring non-Xtend soybean field. 20-25 acres affected. Cupping of leaves and stacking of nodes on main stem.
Applicator/Grower applied Engenia to his crop acres. Several days after application a strong wind (40-70 mph) moved dirt (soil erosion) from his field to the neighbor's field which led to dicamba symptomology in the neighbor's field.
Cupped leaves on the upper part of the plant
Slight cupping of leaves. Growing plant is healthy.
Visible cupping, puckering of leaves. Growing plant is yellowish color. Injured field had been resprayed by tenant after neighbors Engenia application.
Some cupping, puckering of leaves. Feathering of leaf tips. Growing plant looks healthy.
Slight puckering of leaves, new growth healthy, growing plant is healthy

Slight cupping & puckering of leaves. Growing plant is healthy.
North end of field has slight cupping of leaves, some puckering. More visible cupping & feathering of leaf tips in extreme north end of field. Growing plant healthy, newest leaves ok.
Very slight cupping. Growing point looks healthy.
Cupped leaves over 100% of 55 acres w/20% of 55 acres having terminal damage and severe stunting
cupped leaves, use gravel road as buffer
Some terminal growth inhibited first 10 ft. Just puckered leaves to light cupping as you move to east side of field. Farmer applied didn't leave buffer.
Symptoms of affected soybeans are NOT that of Engenia. This is a non-Engenia Off-Target claim.
Non-DT soybeans - 130 acres had cupping of leaves.
Non-DT - 80 acres - cupping leaves
Primarily cupped leaves across 10 acre field
Leaf cupping but growing and with new growth
Cupping showed up in adjacent field. Affected field was east of targeted site. New leaves have opened up and are showing no symptoms.
Cupped leaves with terminal damage over approximately 5 acres. Approximately 2 acres of terminal damage.
Non-DT soybeans - 130 acres - drawstring effect on field is across gravel road directly west of DT beans. Wind out of SW.
cupping leaves, puckering of leaves, feathering of leaf tips. Growing plant is healthy and developing. Still setting pods.
Slight cupping of leaves, newest trifoliolate leaves good, growing plant is healthy and developing.
cupping of leaves - 13 acres
Primarily cupped leaves. Looked like 2-3 acres of cupped beans with white tips.
Beans that were waist high were not affected. Knee high beans were slightly cupped.
Primarily cupped leaves over 17 acres with some terminal damage near the edge of the field. Approximately 5.5 acres of terminal damage.
cupping and strapping on 5 acres.

Minor cupping of leaves over 4-5 acres

Cupped leaves - same across 15 acres.
Leaf cupping on 13 acres.
Leaf cupping on approximately 20 acres.
Leaf cupping on approximately 5 acres
Cupping of leaves on approximately 30 acres
Cupping of leaves on approximately 40 acres. Still growing

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	not dicamba
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (Conventional)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (RR2)	leaf cupping
Soybeans (Conventional)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, plant death

cupped leaves	300	120	9
cupped leaves, stacking of nodes on main stem	600	600	7
swelling of epicotyl, cupped leaves, pruned root hairs	300	0	6
cupped leaves on upper portion of plant	250	250	5
Slight cupping of leaves. Growing plant is healthy.	45	125	12
Visible cupping, feathering of leaf tips, growing plant is yellowish in color	18	98	7
Some cupping, puckering of leaves. Feathering of leaf tips. Growing point looks healthy.	120	200	7
Slight puckering of leaves. Growing plant looks healthy	50	130	7
Slight cupping & puckering of leaves. Growing plant is healthy.	18	98	7
Slight cupping & puckering of leaves. Growing plant is healthy. Feathering of leaf tips on north end of field.	100	180	7
Very slight cupping. Growing point is healthy.	22704	22704	7
Cupped leaves over 100% of 55 acres. terminal over 20% of 55 acres	50	50	10
cupped leaves	150	150	10
some terminal inhibited to puckered leaves		0	3
brown & shortened plants	120	120	6
cupped leaves	300	240	10
cupping of leaves	120	120	7
cupped leaves	15	110	8
cupping of leaves	120	120	9
cupping of leaves	10	0	3
cupped leaves with approximately 2-5 acres of terminal damage	35	40	7
drawstring effect on leaves - across entire field	100	100	7
cupping of leaves, puckering of leaves, feathering of leaf tips. Growing plant is healthy and still setting pods.	94	94	4
slight cupping of leaves, growing plant is healthy, newest leaves look good.	50	50	7
cupping of leaves	130	130	8
slightly cupped leaves that were knee high; Pioneer beans	100	110	8
cupped leaves with about 5 acres of terminal damage	700	20	8
cupping, strapping on 5 acres	0	0	7
minor cupping of leaves	80	110	6
cupped leaves	80	80	9
leaf cupping	110	110	5
leaf cupping	110	110	8
leaf cupping	40	40	8
leaf cupping	10	10	8
cupping of leaves	110	110	3
Leaf cupping in low lying areas of the field. Where field borders the target soybean field, plant death occurred from direct contact of spray application.	1000	0	calm

SW	Other	Sun/Clouds
N	N/A	
SE	Other	Soil Erosion during Wind Storm
N	Drought	
N	N/A	
NW	N/A	
NW	N/A	
NW	N/A	
NW	N/A	
NW	N/A	
NW	N/A	
S	N/A	
SE		
W		
N	N/A	
S	Temperature Inversion	
SW	Temperature Inversion	
N	N/A	
SW	Drought	
NW	N/A	
NE	N/A	
SW	Other	Possibly something applied to crop or genetics
N	N/A	
N	N/A	
SW	Other	Wind Guest of 20 MPH
SE	N/A	
S	N/A	
S	N/A	
NW	N/A	
SW	N/A	
SE	Drought	
N	N/A	
SW	N/A	
W	N/A	
SW	Drought	
NW	Temperature Inversion	Grower stated wind was very calm during application and with the time the application was made, a temperature inversion was very likely.

40	12	15	20	100	TTI11003	20
65	16	12	24	100	TTI11005	15
30	10	10	20	100	TeeJet TTI11004 (Red)	20
30	10	10	20	100	TTI11004	20
35	9	10	20	80	Hydro ULD 120-05	20
35	9	10	20	80	Hypro ULD 120-05	20
35	9	10	20	80	Hydro ULD 120-05	20
35	9	10	20	80	Hypro ULD 120-05	20
35	9	10	20	80	Hypro ULD 120-05	20
35	9	10	20	80	Hypro ULD 120-05	20
35	9	10	20	80	Hypro ULD 120-05	20
40	8	15	20	100	TeeJet TTI11004 (Red)	20
30	10	13	24	120	TT111005	20
40	7	12.5	20	90	TT111004	20
42	10	15	24	120	TTI11005	20
45	10	10	20	120	10 Air	20
45	10	12	20	120	10 Air	20
40	8	15	20	100	TeeJet TTI11004 (Red)	20
40	12	15	24	90	TTI11005	20
45	8	10	24	90	TeeJet TTI11004 (Red)	20
40	8	10	20	100	AIXR11004	20
40	12	12	20	120	TTI11005	20
27	9	15	24	100	TeeJet TTI11004 (Red)	15
27	9	15	24	100	TeeJet TTI11004 (Red)	15
28	8	15	12	60	TeeJet TTI11004 (Red)	20
40	8	15	15	100	AIXR 11004	20
40	9	15	20	100	TeeJet TTI11004 (Red)	20
18	3	13	4	100	TTI11005	20
40	8	15	20	100	AIXR11004	20
50	12	15	15	100	TeeJet TTI11004 (Red)	15
26	14	15	24	120	TTI11005	15
30	15	15	24	100	TTI11005	15
30	15	15	24	100	TTI11005	15
30	15	15	24	100	TTI11005	15
30	6	15	24	120	TTI11005	15
40	10	15	20	60	TeeJet TTI11004 (Red)	15

44.0705 N	94.3138N
44.1055	94.3138
44.0119	93.5150W

277634 CHILLICOTHE	ROSS	OH	210	
278183 WEST LIBERTY	LOGAN	OH	25	
278184 WEST LIBERTY	LOGAN	OH	59	
276889 SCHLESWIG	CRAWFORD	IA	65	
276897 VAIL	CRAWFORD	IA	80	
277410 ADA	HARDIN	OH	5	
277692 FREMONT	SANDUSKY	OH	3	
278474 ELMORE	OTTAWA	OH	51	
280242 CYGNET	WOOD	OH	71	
280523 CONTINENTAL	PUTNAM	OH	80	
280648 MIDDLE POINT	VAN WERT	OH	70	
280664 ELIDA	ALLEN	OH	44	
280669 ELIDA	ALLEN	OH	28	
281199 HUNTSVILLE	LOGAN	OH	143	
281202 KENTON	HARDIN	OH	60	
281209 BUTLER	DE KALB	IN	40	
281458 HARPSTER	WYANDOT	OH	80	
MISSOURI				
276355 VALLEY	HARRISON	IA	78	
276394 LAFAYETTE	TIPPECANOE	IN	4	
276397 ELKHART	LOGAN	IL	310	
276407 NEW HOLLAND	LOGAN	IL	126	86
276427 MASON CITY	MASON	IL		57
276947 PROCTOR	CRITTENDEN	AR	100	
277526			5	
277553 DELAPLAINE	GREENE	AR	80	

Engenia	30-May-2017
Engenia	21-Jun-2017
Engenia	22-Jun-2017
Engenia	21-Jun-2017
Engenia	21-Jun-2017
Engenia	16-Jun-2017
Engenia	26-May-2017
Engenia	6-Jul-2017
Engenia	1-Jun-2017
Engenia	2-Jun-2017
Engenia	3-Jun-2017
Engenia	15-May-2017
Engenia	16-May-2017
Engenia	20-May-2017
Engenia	15-May-2017
Engenia	22-May-2017
Engenia	11-May-2017
Engenia	22-Jun-2017
Engenia	26-Jun-2017
Engenia	17-Jun-2017
Engenia	16-Jun-2017
Engenia	20-Jun-2017
Engenia	5-May-2017
Engenia	21-Jun-2017
Engenia	21-Jun-2017

Growers are trying to work together on this. Affected soybeans were south of the Engenia sprayed field.

Grower is trying to work with neighbors.

Also had Volunteer herbicide and Diplomat and Astonish adjuvant

Other products also included in tank mix included Oculus and Dyne-Amic

Adjuvants

Oculus Adjuvant was used, with Axilo MN nutritional and Pointblank WM DRA in tank mix

8-0-0-9 was added to tank mix at 1/2 gal/a, also Astonish was added to tank mix at 5.4 oz/ a

Grower said he forgot to switch his nozzles back to the TTI 11004 he used for all of his other 900 acres of Engenia applications. He had no off target issues with those

Did yes a DRA, but grower applicator said used wrong nozzles

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR2)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	Group 15

cupped/puckered leaves	110	0	4-7
cupped/puckered leaves	10	0	3
cupped/puckered leaves	180	0	6-10
Cupping and node shortening.	220	110	6-12
Cupping and node shortening.	220	110	6-13
Cupping up on upper leaves	5	3	3-6
Cupping up on upper soybean leaves	40	40	1-2
Cupping up leaves on upper new growth	1	5	0-5
Cupping up on new growth	50	50	3
Cupping up on new growth	2	100	2-3
Cupping up on the new growth	80	80	3
Cupping up on the new growth	35	35	3-5
Cupping up on the new growth leaves	50	50	3
Cupping up on new growth	260	120	5
Cupping up leaves on new growth	260	120	6
Cupping up on new upper leaves	50	110	1-3
Cupping up leaves on new growth	45	45	1-3
Intensity was also in tank mix. Cupped beans North of 78 acre field of Engenia. Cupped beans South, probably Status sprayed on corn South of affected field. Tomato plants at house are ok.	0	0	11
Dicamba symptomology on adjacent field(East) of Engenia applied field. Leaf cupping	52	52	7-24
Astonish was 3rd product in tank mix(not on system) Leaves puckered over his entire 117 acre field, More severe puckering with some terminal growth inhibited near adjacent field.	0	100	7
Astonish was 3rd product in tank mix(not on system) 86 acres with puckered leaves, mostly on the 48 acre field, less on the North side. On the 38 aced field, the North Edge about 50 ft. wide shows puckering. Proper buffers were left by retailer.	0	110	7-10
Astonish was in tank mix(but not on system). Buffer strip left next to Birch field. Most of field puckered, around 57 acres. Xtend sprayed next to this field as well. Farmer applied. Farm manager for Birch involved as well. It is not evident where the source of puckering is coming from. Birch applied fusillade, fortix, smart trio, liberty on this field. This could be source of puckering.	0	110	5
Old leaves are heart shaped and puckered, minor cupping of leaves with some strapped leaves. Metachlor symptoms. Consistent with group 15 herbicides that were applied on soybeans. Grower sprayed himself, the cotton was sprayed upwind of soybeans. Soybeans have minor symptoms.	25	25	3
Leaves cupping	20	0	0-3
Leaf crinkling, Older leaves only consistent with PPO/Group 15 Herbicide symptoms. Not dicamba symptomology.	2640	100	3

N	N/A	
SW	N/A	
SW	N/A	
S	Drought	
W	Drought	
SE	Unusual Rainfall	
SW	Temperature Inversion	
SW	Temperature Inversion	
SW	Temperature Inversion	Added Attero adjuvant, glyphosate used was Bullzeye, also added Bushelmaxx Bean XT
NW	Temperature Inversion	
E	Other	Very hot, mid 80s & Humid
W	N/A	
SW	Temperature Inversion	87 degrees at application
W	Temperature Inversion	Temperatures were 71 degrees
		Tank mix also included Leeway Adjuvant and Versa Max ACU nutritional
SE	Temperature Inversion	
SW	Temperature Inversion	
SW	Temperature Inversion	
N	N/A	Recommended to get a 3rd party involved.
W	N/A	Leaf Cupping
S	Drought	100 ft. buffer around field. Applied June 6, The rest of 281 acre field on June 16.
W	Drought	
SW	Drought	
S	Other	Grower sprayed his own cotton - off target source soybeans.
SW	N/A	Drift
S	N/A	

45	13	10	20	90	TeeJet TTI11004 (Red)	15
25	8	12	24	90	TeeJet TTI11003	15
25	8	12	24	90	TeeJet TTI11003	15
35	10	15	24	120	TeeJet TTI11004 (Red)	20
40	10	15	24	90	TeeJet TTI11004 (Red)	20
45	12	15	15	90	TeeJet TTI11004 (Red)	15
35	8	10	12	60	TeeJet TTI11004 (Red)	15
50	12	12	15	120	TTI 1005	15
43	12	15	15	120	TTI 11005	15
20	6	12	24	60	TeeJet TTI11004 (Red)	20
45	7	10	12	80	Tee Jet Flat fans	15
45	8	10	15	80	TeeJet TTI11004 (Red)	15
45	8	10	20	80	TeeJet TTI11004 (Red)	20
45	15	15	20	120	TeeJet TTI11004 (Red)	15
45	15	15	20	120	TeeJet TTI11004 (Red)	15
45	8	10	20	60	Flat fans	15
50	8	10	15	120	TeeJet TTI11004 (Red)	15
65	12	15	24	100	TeeJet TTI11004 (Red)	20
50	12	13	24	90	TeeJet TTI11004 (Red)	20
40	10	15	24	100	TTI11005	15
40	8	15	24	120	DR110-10	15
40	10	15	24	120	DR110-10	15
27	8	10	24	38	TeeJet TTI11004 (Red)	20
30	9	10	18	80	Great Plains	30
40	8	15	24	80	TTI1106	20

277610 RANSOM	LA SALLE	IL	280	
278865 SENECA	LA SALLE	IL	180	130
278885 RANSOM	LA SALLE	IL		156
278886 KINSMAN	GRUNDY	IL		200
279699 STANFORD	MC LEAN	IL	100	80
279701 DANVERS	MC LEAN	IL	300	80
279702 SHIRLEY	MC LEAN	IL	74	20
279706 HUDSON	MC LEAN	IL	45	15
279707 HOPEDALE	TAZEWELL	IL	11	15
279708 HARTSBURG	LOGAN	IL	74	40
279710 LINCOLN	LOGAN	IL	74	
279714 NEW HOLLAND	LOGAN	IL	78	156
279830 TOWANDA	MC LEAN	IL	152	20
279840 MCLEAN	MC LEAN	IL	88	40
279841 HUDSON	MC LEAN	IL	50	25
279847 CORNELL	LIVINGSTON	IL	80	10
279850 VIRDEN	MACOUPIN	IL	72	40
279852 WAPELLA	DE WITT	IL	81	15
279875			50	
279930 TERRIL	DICKINSON	IA	74	
279933 ESTHERVILLE	EMMET	IA	120	
280452 CLINTON	DE WITT	IL	34	5

Engenia	3-Jul-2017
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Engenia	3-Jul-2017
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Engenia	3-Jul-2017
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Engenia	1-Jul-2017
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Engenia	12-Jun-2017
Engenia	12-Jun-2017

Engenia	13-Jun-2017
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Engenia	20-Jun-2017
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Engenia	6-Jul-2017
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Engenia	26-Jun-2017
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Engenia	8-Jun-2017
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Engenia	27-Jun-2017
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Engenia	27-Jun-2017
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Engenia	14-Jun-2017
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Engenia	27-Jun-2017
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Engenia	20-Jun-2017
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Engenia	23-Jun-2017
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Engenia	20-Jun-2017
Engenia	19-Jun-2017
Engenia	3-Jul-2017
Engenia	3-Jul-2017

Engenia	20-Jun-2017
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Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Alfalfa	

The grower has 298 acres with cupped leaves, gradient across field with symptomology. Grower applied roundup powermax(.22 oz, Impact, Atrazine, Intrigue & Sundance) in corn next(S) of soybean field. Some of crop injury on this side due to Impact.	150	110	9
130 acres of cupped leaves. There was gradient symptomology across field West to East. Plot field affected - hybrids not DT show cupping. Volunteer - 4.8 oz/ac & Astonish - 8 oz/ac were in tank mix with Engenia. Products are not on product list.	150	110	8
155.6 acres of cupping soybeans. More severe symptoms(damage to terminal bud) on first 8 rows in corner of field. Then gradient symptomology West to East. Volunteer - 4.8 oz/ac. & Astonish - 8 oz/ac. was in tank mix with Engenia.	20	0	8
200 acres out of a 240 acres have cupping of soybeans in field, gradient symptomology across field East to West. Volunteer - 4.8 oz/ac. & Astonish - 8 oz/ac. was in tank mix with Engenia. These chemicals aren't on product list.	5	0	8
80 acres of puckered leaves, crop seems to be improving. Astonish(6.5 oz.) was also in tank mix but not on chemical list.	150	150	13
80 acres of puckered leaves	100	0	12.5
20 acres with terminal bud inhibited farthest North. Severly stunted but conditions improve as you move South.	480	480	11
15 acres with puckered leaves on Phil Bachman. Northwest 15 acres show symptoms.	80	0	8
15 acres with cupped leaves on south side of field next to Sands field.	0	0	5-7
40 acres out of 80 have cupped leaves on West side of the field that lays just East of the treated field.	40	40	5-10
Cupped leaves with terminal bud inhibition n NW corner of field.	50	0	3-5
156 acres with cupped leaves on entire field.	0	10	5
20 acres have cupped leaves that the cupping reduces as you move away from Engenia application.	10	0	5
40 acres have cupped leaves across most of field. Field was showing regrowth when I visited field on 07/25/17	0	120	10
Whole field(25 acres) has cupped leaves, pattern shows that it is from treated field. Engenia also applied S of the field by another applicator.	50	50	0
10 acres have cupping of leaves and stunted plants	50	50	5
40 acres have soybean leaves that are cupped and plants stunted.	1000	0	5
15 acres have damage. North half of 30 acres puckered with some terminal bud inhibition near Engenia sprayed field. Symptoms get less as you move E away from Engenia sprayed field.	160	110	8-10
Puckered leaves(scattered)	400	200	10
Puckered leaves, terminal growth continues	10	0	5-10
Puckering leaves	200	200	5-10
5 acres of Alfalfa with Dicamba symptoms that was to be used for hay. U of I advised owner not to risk using hay. Horse is very valuable.	300	0	7-8

W	N/A	Volunteer - 4.8 oz/ac. & Astonish - 8 oz/ac were in tank mix with Engenia. The first two product are not on product list.
E	N/A	Volunteer and astonish are not on product list.
W	N/A	Volunteer and Astonish were not on Product list.
W	N/A	Volunteer & Astonish were in tank mix with Engenia but they aren't on product list. There is a general puckering of about all sensitive soybean fields in this area. Several corn fields nearby have been sprayed with dicamba. Crop making recovery
SW	Drought	
SW	Drought	
SW	Drought	Astonish(6.5 oz.) was in tank mix but isn't on chemical list Volunteer(4 oz) & Astonish were also in tank mix but not on chemical list.
SW	Drought	
N	N/A	Immerse(5 oz.) was in tank mix but not on chemical list.
NW	Drought	Class Act Ridion(.45 oz.) was in tank mix but not on chemical list. Border sprayed on 06/08(ENE @ 4-5 mph) & entire field on 06/09(SW). Pressure and speed were less for border.
SW	Drought	Class Act Ridion(.45 qts) was in tank mix but not on chemical list.
S	Drought	Monsanto has looked at field also.
N	Other	No moisture. No buffer since boom was moving away from sensitive field. 2 types of Liberty seed used(visible difference between)
SW	Drought	Volunteer & Iconic was in tank mix but not on chemical list. Cupped leaves.
S	Drought	Wind direction was calm & variable. Normal moistue. Atero was also in tank mix but not on chemical list.
N	N/A	Wind direction was variable.
NW	N/A	Class Act Ridion was in tank mix also, but not on chemical list. No unusual weather conditions
W	Drought	Atlas & Traverse were in tank mix but not on chemical list
SW	N/A	Weather was described as warm with a breeze.
NE	N/A	No Buffer
NE	Other	Outside temperature was 65 degrees
NW	Drought	Astonish was in tank mix to, not on product list. Hay was to be cut for elderly arabian horse. Retailer will replace with other hay.

70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
40	11	15	24	120	TTI11005	15
40	11	15	24	120	TTI11005	15
40	11	15	24	120	TTI11005	15
35	11	10	24	90	TeeJet TTI11004 (Red)	20
28	10	15	24	120	TTI11005	15
40	12	15	24	120	Wilger UR110-10	20
40	12	15	24	120	Wilger UR110-10	20
15	8	15	24	120	Wilger VR110-10	20
35	11	13	24	90	TeeJet TTI11004 (Red)	15
35	10	15	24	90	TTI11005	20
30	8	15	24	80	TeeJet TTI11004 (Red)	20
35	11	15	24	90	TTI11006	20
38	13	15	24	120	DR 110-10	20
35	13	15	24	120	ULD 120-05	15
40	6	15	24	80	TeeJet TTI11004 (Red)	15
40	13	15	30	132	TTI11005	15
40	15	15	30	132	TTI11005	15
40	10	15	24	120	TTI11005	20

280526 MORRISONVILLE	CHRISTIAN	IL	80	10
280527 RAYMOND	MONTGOMERY	IL	35	10
280545 CARLINVILLE	MACOUPIN	IL	98	5
280565 FRANKLIN	MORGAN	IL	82	30
280566 MODESTO	MACOUPIN	IL	11	
280567 PAWNEE	SANGAMON	IL	72	20
280599 FORREST	LIVINGSTON	IL	131	5
280600			70	15
280601 TOWANDA	MC LEAN	IL	35	10
280602 CHENOA	MC LEAN	IL	332	53
280637 BLUFFS	SCOTT	IL	80	20
280666 HILLSBORO	MONTGOMERY	IL	160	15
280671 HILLSBORO	MONTGOMERY	IL	183	50
280673			27	15
280674 TAYLORVILLE	CHRISTIAN	IL	43	4
280680 HUDSON	MC LEAN	IL	29	15
280708 HUDSON	MC LEAN	IL	92	30
280711 GLENARM	SANGAMON	IL	108	10
280715 PAWNEE	SANGAMON	IL	132	30
280732 EMDEN	LOGAN	IL	118	16
280735 CROPSEY	MC LEAN	IL	132	30
280810 DELAVAN	TAZEWELL	IL	39	10

Engenia	21-Jun-2017
Engenia	26-Jun-2017
Engenia	23-Jun-2017
Engenia	8-Jun-2017
Engenia	20-Jun-2017
Engenia	21-Jun-2017
Engenia	21-Jun-2017
Engenia	30-Jun-2017
Engenia	5-Jul-2017
Engenia	27-Jun-2017
Engenia	21-Jun-2017
Engenia	26-Jun-2017
Engenia	27-Jun-2017
Engenia	27-Jun-2017
Engenia	14-Jun-2017
Engenia	27-Jun-2017
Engenia	14-Jun-2017
Engenia	16-Jun-2017
Engenia	22-Jun-2017
Engenia	16-Jun-2017
Engenia	7-Jul-2017
Engenia	30-Jun-2017

Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (Conventional)	leaf cupping

10 acres have cupped, stunted beans.	300	0	5
10 acres have cupped leaves with stunted plants.	600	0	5-9
5 acres have cupped leaves and stunted soybeans. More cupping with 2nd application. 3 application - cupping gets less as you move farther away.	600	120	5
30 acres have cupped leaves and stunted plants. Cupped leaves are more prominent next to Engenia field and lessens as you move away.	0	180	5
Soybeans have cupped leaves and stunted plants for 150 ft. into field. Cupping is more next to field where Engenia was sprayed and lessens as you move away.	0	65	10
20 acres have cupped and stunted Liberty Link Soybeans.	75	75	5
5 acres with cupped and stunted soybeans. Most cupping is near Engenia application with it becoming less as you move North.	120	120	5
15 acres of soybeans are cupped and stunted on.	50	50	7
10 acres of soybeans have cupped and stunted. West side next to the field also have cupped leaves.	0	0	9
1: 40.779054;-88.680718 - 20 ac, cupped & stunted			
2: 40.680328;-88.696790 - 10 ac, cupped & stunted			
3: 40.676748;-88.699708 - 20 ac, cupped & stunted			
4: 40.689541;-88.716617 - 3 ac, cupped & stunted	50	50	5
Fields East and North of Engenia application have puckered leaves(20 acres). To the East about 100 ft into neighbor and to the North 250'. Worst puckering near Engenia application. Becomes less with distance.	0	0	8
15 acres cupped and stunted soybeans. Cupping more next to the Engenia applied field and lessens as you move away. Cupping gives out at about 400' into the field.	40	0	3
50 acres have cupping soybean leaves from line next to Engenia field. Cupping lessens as you move farther from Engenia application.	0	0	2.5
15 acres have cupped and stunted soybeans. Most cupping next to Engenia field and it lessens as you move away.	45	0	3
4 acres have cupped and stunted soybeans on the farm to the North of the treated field. Only the 24 x 30" end rows were cupped since the rest of the field was DT Soybeans.	50	40	5-6
5 acres with severe cupping and 10 acres that were cupped less next to the engenia treated field. Cupping is less as you move farther away.	0	0	3
30 acres of soybeans have cupped leaves and plants are stunted.	0	0	7
10 acres of soybeans that have cupped and stunted leaves. His field is just North of the treated field.	40	120	1-3
30 acres of cupped stunted soybeans.	0	120	8
16 acres of soybeans out of 82 that are cupped and stunted.	15	0	7-8
30 acres with cupping leaves across most of his field.	400	400	12
10 acres of cupped organic soybeans. No buffer since not required for wind direction and sensitive field location.	0	0	5

SW	N/A	AGI698 & Class Act Ridion were in tank mix but not on chemical list.
NW	N/A	Normal weather conditions
SW	N/A	Weather conditions were normal. AG 16098 & Class Act Ridion were not on chemical list
NW	N/A	Normal weather conditions
SW	Drought	AG 16098 was in tank mix but not on chemical list.
NW	N/A	AG 16098 and Quatro(Brandt) was also in tank mix but not on system.
SW	N/A	Normal weather conditions
SW	N/A	Normal weather conditions. Volunteer & Brandt Adjulock was in tank mix but not on chemical list.
SE	N/A	Normal weather conditions
W	N/A	Normal weather conditions. Volunteer, Brandt Adjulock & Brandt Quatro were in tank mix but not on system.
S	Drought	Class Act Ridion, AG16098 & Brandt Quatro are in tank mix but not on chemical list.
NW	N/A	No buffer due to wind blowing away from field
SE	Drought	Hot with wind blowing away from sensitive field
S	Drought	Hot temperatures. Brandt Adjulock & Quatro were also in tank mix but not on chemical list
SW	Drought	Hot temperatures. Brandt Adjulock & Quatro were also in tank mix but not on chemical list.
S	Drought	Hot temperatures with variable to calm wind.
S	Other	Variable wind
S	Other	Calm Variable Wind
NW	Other	Normal
W	Drought	15 ft strip sprayed around field on 05/29/17 for weed control. Entire field sprayed on 06/16/17.
W	Other	Normal weather conditions
NE	Drought	Normal weather conditions

38	13	15	24	120	DR 110-10	20
38	12	15	24	120	DR 110-10	20
30	13	15	24	120	DR 110-10	20
35	13	15	24	90	TTI11005	20
35	13	15	24	90	TTI11005	20
35	13	15	24	90	TTI11005	20
30	10	20	24	120	TeeJet TTI11004 (Red)	20
35	11	15	24	120	TTI11005	15
35	11	15	24	120	TTI11005	15
35	11	15	24	120	TTI11005	15
50	8	12	24	100	TTI11006	20
25	11	12	24	90	TTI11005	20
25	11	12	24	90	TTI11005	20
25	11	12	24	90	TTI11005	20
25	11	12	24	90	TTI11005	20
30	8	15	24	80	TeeJet TTI11004 (Red)	20
30	8	15	24	80	TeeJet TTI11004 (Red)	20
30	12	15	24	120	DR110-10	20
30	12	15	24	12	DR110-10	20
50	10	15	24	120	TeeJet TTI11004 (Red)	20
30	10	17	24	120	TeeJet TTI11004 (Red)	20
28	10	15	24	120	TeeJet TTI11004 (Red)	15

280812 DELAVAN	TAZEWELL	IL	88	
280818 EUREKA	WOODFORD	IL	241	179
280821 CANTON	FULTON	IL	65	40
280822 NORMAL	MC LEAN	IL	85	35
280827 BENSON	WOODFORD	IL	70	80
280833 GOODFIELD	WOODFORD	IL	170	214
280836 ROANOKE	WOODFORD	IL	73	40
280845 BENSON	WOODFORD	IL	403	164
280847 SECOR	WOODFORD	IL	80	63
280932 LEXINGTON	MC LEAN	IL	80	15
280941 DIVERNON	SANGAMON	IL	518	244
280981 DIVERNON	SANGAMON	IL	57	40
280987 DIVERNON	SANGAMON	IL	704	170
280991 DIVERNON	SANGAMON	IL	117	30
280997 DIVERNON	SANGAMON	IL	116	30
281007 DIVERNON	SANGAMON	IL	141	40
281008 DIVERNON	SANGAMON	IL	154	
281138 FAIRBURY	LIVINGSTON	IL	160	6
281139 FAIRBURY	LIVINGSTON	IL	8	
281141 VIRDEN	MACOUPIN	IL	152	46
281145 MINIER	TAZEWELL	IL	80	20
281146 MACKINAW	TAZEWELL	IL	80	40

Engenia	30-Jun-2017
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Engenia	17-Jun-2017
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Engenia	21-Jul-2017
Engenia	24-Jun-2017

Engenia	22-Jun-2017
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Engenia	26-Jun-2017
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Engenia	27-Jun-2017
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Engenia	21-Jun-2017
Engenia	27-Jun-2017

Engenia	27-Jun-2017
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Engenia	26-Jun-2017
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Engenia	13-Jun-2017
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Engenia	22-Jun-2017
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Engenia	23-Jun-2017
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Engenia	27-Jun-2017
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Engenia	29-Jun-2017
Engenia	3-Jul-2017

Engenia	27-Jun-2017
Engenia	30-Jun-2017

Engenia	23-Jun-2017
Engenia	24-Jun-2017
Engenia	27-Jun-2017

Soybeans (non-DT)	leaf cupping, stunting
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting

Soybeans (non-DT)	leaf cupping, stunting
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting

Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans are cupped and stunted next to the treated field. At time of application wind was blowing away from the affected field. More cupping in low areas.	50	0	5
1: 40.800181/-89.162335 20 ac., cupped leaves.			
2: 40.810851/-89.156370, 80 ac., cupped leaves.			
3: 40.802536/-89.155512, 79 ac., cupped leaves.	300	110	6
40 acres of soybeans have cupped leaves. Field is SE of Engenia application.	100	0	11
35 acres of a 75 acre field with cupped leaves.	0	0	11
80 acres of soybeans have cupped leaves across entire field. field is just north of Engenia application.	100	0	15
214 acres of soybeans with cupped leaves, field is N of the field with treated with Engenia.	100	0	5
40 acres of soybeans with cupped leaves on the E side of the field treated.	0	0	4
1: 40.897764/-88.920379 - 40 ac., cupped leaves.			
2: 40.893433/-88.972349 - 40 ac., cupped leaves.			
3: 40.900050/-88.957071 - 40 ac., cupped leaves.			
4: 40.881753/-88.962221 - 44 ac., cupped leaves.	0	180	9
63 ac., cupped leaves and stunted soybeans.	80	90	6
Jim Larkin has 15 acres of cupped and stunted soybeans just north of the Weber field.	120	120	3-5
1: 39.450117/-90.065383, 60 ac, cupping of new trifoliolate leaves.			
2: 39.320309/-89.901184, 60 ac, cupping of new trifoliolate leaves.			
3: 39.412906/-90.220835, 24 ac, cupping of new trifoliolate leaves.			
4: 39.358133/-89.792112, 40 ac, cupping of new trifoliolate leaves.			
5: 39.377304/-89.878962, 60 ac, cupping of new trifoliolate leaves.	2600	120	13
40 acres of soybeans with cupping of new trifoliolate leaves.	1300	120	5-13
1: 39.533049/-89.685556 - 30 ac. of soybeans with cupping on new trifoliolate.			
2: 39.676420/-89.753307 - 140 ac. of soybeans with cupping on new trifoliolate.	1300	120	13
30 acres of soybeans with cupping of new trifoliolate leaves	1500	120	13
30 acres of soybeans with cupping of new trifoliolate leaves.	1500	120	13
1: 39.589500/-89.762206, 20 ac. cupping of new trifoliolate leaves.			
2: 39.587119/-89.762206, 20 ac. cupping of new trifoliolate leaves	4000	120	13
Soybeans with cupping of the new trifoliolate leaves.	0	120	13
1: 40.651284/-88.673508, 4 ac. - cupped and stunted soybeans, recovering.			
2: 40.695410/-88.716617, 2 ac. - cupped and stunted just on end rows on W side.	50	50	5
4 acres of soybeans were cupped and stunted.	0	0	12
1: 39.505664/-89.784633 - 10 ac. cupped leaves and stunted soybeans.			
2: 39.510958/-89.779261 - 36 ac. cupped leaves and stunted soybeans.	600	0	5
20 acres of soybean leaves that are puckered.	50	0	50
40 acres out of 60 have cupped leaves.	40	40	5

NE	Drought	No buffer required
SW	Other	Normal Weather conditions
NW W	Other N/A	Normal weather conditions
S	N/A	Envy Intense was in tank mix but not on chemical list.
W	N/A	Envy Intense(1.25 qt)was in tank mix also but not on chemical list.
W	N/A	Envy Intense was in tank mix but not on chemical list.
NE SW	N/A N/A	Envy Intense(1 qt.) in tank mix but not on chemical mix. Envy Intense in tank mix but not on chemical list
S	Other	Variable Wind Possible Inversion
W	Temperature Inversion	AG16098 was in tank mix
S	Temperature Inversion	
S	Temperature Inversion	Ag16098 was in tank mix but not on chemical list
W	Temperature Inversion	Ag16098 was in tank mix but not on chemical list
NE	Temperature Inversion	Ag16098 was in tank mix but not on chemical list
SW S	N/A Temperature Inversion	AG16098 AG16098 was in tank mix but not on chemical list
W SW	N/A N/A	Normal weather conditions Vaporgard + DRA were in tank mix but not on chemical list Normal weather conditions
NW NW SW	N/A Drought Drought	Normal weather conditions. AG16098 & Class Act Ridion were in tank mix but not on chemical list. Astonish was in tank mix but not on chemical list. Deroval & Intact were in tank mix but not on chemical list.

28	10	15	24	120	TTI11005	15
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
40	13	12	20	90	TeeJet TTI11004 (Red)	20
30	10	13	24	90	TTI11005	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
40	12	15	20	120	Wilger DR110-10	20
35	11	15	24	120	TTI11005	15
35	11	15	24	120	TTI11005	15
38	13	15	24	120	DR 110-10	20
50	11	15	24	100	TeeJet TTI11004 (Red)	20
38	8	15	18	80	TeeJet TTI11004 (Red)	20

281168			245	120
281448 PEKIN	TAZEWELL	IL	56	10
281603			87	15
281607 RANSOM	LA SALLE	IL	75	155
281608 RANSOM	LA SALLE	IL	80	30
281610 RANSOM	LA SALLE	IL	150	59
281614 RANSOM	LA SALLE	IL	140	80
281615 GARDNER	GRUNDY	IL	110	28
281616 RANSOM	LA SALLE	IL	20	80
281617 RANSOM	LA SALLE	IL	80	102
281618 RANSOM	LA SALLE	IL	80	80
281619 RANSOM	LA SALLE	IL	80	15
281625 RANSOM	LA SALLE	IL	136	70
281645 RANSOM	LA SALLE	IL	180	160
281665 PUTNAM	PUTNAM	IL	80	
281708 STATE CENTER	MARSHALL	IA	97	120
281717 ALBIA	MONROE	IA	65	80
281720 ALBIA	MONROE	IA	160	20
281722 GENEVA	FRANKLIN	IA	110	20
281732 METAMORA	WOODFORD	IL	60	

Engenia	27-Jun-2017
Engenia	27-Jun-2017
Engenia	17-Jul-2017
Engenia	2-Jul-2017
Engenia	1-Jul-2017
Engenia	20-Jul-2017
Engenia	27-Jun-2017
Engenia	1-Jul-2017
Engenia	2-Jul-2017
Engenia	1-Jul-2017
Engenia	1-Jul-2017
Engenia	1-Jul-2017
Engenia	4-Jul-2017
Engenia	6-Jul-2017
Engenia	20-Jun-2017
Engenia	8-Jul-2017
Engenia	13-Jul-2017
Engenia	15-Jul-2017
Engenia	26-Jun-2017
Engenia	23-Jun-2017

Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR2)	not dicamba
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping

1: 40.736152;-89.181390, 30 ac.			
2: 40.736152;-89.184651, 15 ac. Used a split planter of DT and Non DT soybeans. Non DT is 6 inches shorter Aaron Verkler			
3: 40.692629;-89.093585, 7 ac. (Non DT - Liberty)			
4: 40.734526;-89.174094, 18 ac.			
5: 40.737648;-89.174094, 50 ac.			
cupped leaves and stunted plants on all	150	150	4
10 acres of soybean leaves that are cupped across rd from Engenia application.	50	50	5
Gary Hilst has cupped leaves on 15 acres out of 120	0	0	3-5
155 acres of RR soybeans have minimal cupping.	2640	0	12
Farm has 30 acres of cupped soybeans with gradient symptomology (W to E)	80	0	5
Dicamba gradient symptomology in 59 acres of soybeans belonging to. Cupped leaves.	0	0	10
80 acres of soybeans have cupped leaves with gradient symptomology from West to East. Very little symptomology. New growth 5 nodes.	80	0	7
28 acres total with cupped leaves and gradient symptomology	120	120	14
80 acres of cupped soybean leaves; gradient N to S.	1320	0	9
102 acres of cupped soybeans. Gradient symptomology W to East. Severe insect damage and septoria brown spot.	80	0	15
80 acres of soybean leaves are cupped with gradient symptomology.	1320	0	14
15 acres of cupped soybean leaves with gradient symptomology(W to E). Two different varieties divided by waterway.	1320	0	14
70 acres of soybeans have cupping leaves with terminal bud injury on outer rows for 100 ft. Has flexstar injury.			
Apple tree and garden dead - not dicamba.	75	0	8-9
160 acres of soybeans with cupping leaves. Symptomology worse in 1st eight rows on field edge. Gradient symptomology across field.	75	0	10
Cupping of soybean leaves & gradient symptomology across field.	1370	120	5-10
120 acres of soybeans showed leaf cupping in two neighboring fields. In east, field symptoms run along the complete west edge of the field from North to South. Symptoms run from West to East & gradually decrease in same order. In South field, symptoms run length of North edge and gradually decrease from N to S. Symptoms primarily along ridge and do not disappear in lower areas to South.	50	0	4-6
There were 80 acres of cupped soybean leaves of field neighboring two fields sprayed with Engenia.	50	0	5
There were 15-20 acres of soybeans with cupped leaves in field neighboring the field sprayed with Engenia.	10	50	6
There were 15 -20 acres of soybeans with cupping leaves and some potential shortened nodes. Inconsistent pattern of symptoms. Doesn't have a gradual diminishment from field edge out.	5	100	9
Noted 2 acres of soybeans leaves that are cupped.	3	3	12

SW	Other	Normal weather conditions on all but this could be an inversion.
SW	Drought	
SW	Drought	Wind was light and variable. Select and astonish also in tank mix but not on chemical list.
W	N/A	Astonish also in tank mix but not on chemical list
W	N/A	Volunteer & Iconic were also in tank mix, but not on chemical list.
E	N/A	Iconic(1/2 oz) & Volunteer were in tank mix also, but not on chemical list
SW	N/A	Iconic, Volunteer & C-Cat were in tank mix also but not on chemical list.
W	N/A	Astonish was also in tank mix but not of chemical list
SW	N/A	Volunteer, Iconic & C-cat were in tank mix but not on chemical list.
W	N/A	Volunteer & Iconic were in tank mix also but not on chemical list.
W	N/A	Volunteer and Iconic were also in tank mix but not on chemical list
W	N/A	Volunteer also in tank mix but not on chemical list.
W	N/A	Astonish & Clot in tank mix but not on chemical list.
N	N/A	Astonish, Volunteer & C-Cat in tank mix but not on chemical list.
W	N/A	Optima & Point Blank drift retardant was in tank mix also but not on chemical list.
NW	N/A	Choice Trio, Spreader 90 & Reign were in tank mix also, but not on chemical list.
NW	N/A	90 Spreader, Choice Trio, & Intensity were in tank mix also but not on chemical list.
S	N/A	90 Spreader & Choice Trio were also in tank mix but not on chemical list.
NW	N/A	Iconic, AG16098 & Cleanse 2EC were also in tank mix but not on chemical list.
NW	N/A	G Authority was used as a pre and Volunteer was in post tank mix, but not on chemical list.

40	8	10	24	60	Hardi MD 025	20
50	12	15	24	120	TTI11005	20
20	7	15	24	80	TTI11005	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	8	15	12	100	TTI11005	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
50	10	15	24	120	TTI11005	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
70	11	15	12	100	TeeJet TTI11004 (Red)	15
60	12	17	24	120	110-05	20
40	11	15	36	90	TeeJet TTI11004 (Red)	15
50	9	15	18	90	TeeJet TTI11004 (Red)	20
50	9	15	18	90	TeeJet TTI11004 (Red)	20
40	12	15	15	120	TeeJet TTI11004 (Red)	15
40	13	15	20	120	TTI11005	15

281735 METAMORA	WOODFORD	IL	110	10
281736 METAMORA	WOODFORD	IL	112	73
281745 METAMORA	WOODFORD	IL	80	33
281746 METAMORA	WOODFORD	IL	60	50
281747 METAMORA	WOODFORD	IL	120	25
281765 METAMORA	WOODFORD	IL	180	77
281786 METAMORA	WOODFORD	IL	230	20
281791 METAMORA	WOODFORD	IL	80	2
281795 METAMORA	WOODFORD	IL	120	50
281800 METAMORA	WOODFORD	IL	160	20
281802 METAMORA	WOODFORD	IL	170	5
281803 METAMORA	WOODFORD	IL	160	170
281804 METAMORA	WOODFORD	IL	160	40
281805 METAMORA	WOODFORD	IL	80	4
281806 WYOMING	STARK	IL	80	77
281807 METAMORA	WOODFORD	IL	150	3
281830 METAMORA	WOODFORD	IL	200	81
281831 METAMORA	WOODFORD	IL	80	30
281832 METAMORA	WOODFORD	IL	80	45
281833 METAMORA	WOODFORD	IL	80	80
281834 METAMORA	WOODFORD	IL	80	2
281835 METAMORA	WOODFORD	IL	80	10
281836 METAMORA	WOODFORD	IL	120	30
281837 METAMORA	WOODFORD	IL	120	60
281847 MAPLE PARK	KANE	IL	80	3
281858 MILO	WARREN	IA	66	25
281875 ROANOKE	WOODFORD	IL	120	60
281967 CLUTIER	TAMA	IA	3	60
281970 REINBECK	GRUNDY	IA	140	40

Engenia	24-May-2017
Engenia	22-Jun-2017
Engenia	22-Jun-2017
Engenia	23-Jun-2017
Engenia	29-Jun-2017
Engenia	22-Jun-2017
Engenia	27-Jun-2017
Engenia	22-Jun-2017
Engenia	29-Jun-2017
Engenia	1-Jul-2017
Engenia	21-Jun-2017
Engenia	21-Jun-2017
Engenia	1-Jul-2017
Engenia	26-Jun-2017
Engenia	20-Jun-2017
Engenia	22-Jun-2017
Engenia	22-Jun-2017
Engenia	4-Jul-2017
Engenia	3-Jul-2017
Engenia	27-Jun-2017
Engenia	22-Jun-2017
Engenia	4-Jul-2017
Engenia	4-Jul-2017
Engenia	17-May-2017
Engenia	18-Jul-2017
Engenia	5-Jul-2017
Engenia	3-Jul-2017
Engenia	3-Jul-2017
Engenia	24-Jun-2017

Leaf cupping on 10 acres belonging to Rodney Grove.	6	60	12
Leaf cupping on 73 acres in two fields belonging to Keith Grove.	60	60	4-6
Leaf cupping on 33 acres belonging to Loyd Damerell.	60	60	16
Cupped soybeans leaves o 50 acres belonging to Jeremy Gibbs & Steve Rogge in a 50/50 split.	60	60	12
Cupped leaves on 25 acres of soybeans belonging to Cory Shirer	12	12	11-13
Leaf cupping seen on 77 acres of soybeans belonging to Steve Bachman.	0	3	9
20 acres of soybeans with cupped leaves.	0	0	4
Cupping of soybean leaves with gradient symptomology across 2 acres farmed by John Meils.	60	60	15
50 acres of cupped soybean leaves with gradient symptomology across field.	160	160	11-13
20 acres of soybeans with cupped leaves with gradient symptomology across field.	180	240	8-9
5 acres of soybeans with cupped leaves with gradient symptomology across entire field.	60	60	7
170 acres of cupped soybean leaves with gradient symptomology across field.	60	60	7
40 acres of soybeans with cupped leaves and gradient symptomology across field.	180	240	8-9
4 acres of soybeans with cupped leaves and gradient symptomology across field.	120	3	9-14
77 acres of soybeans with cupped leaves(dicamba symptomology)	1370	120	5-10
3 acres of soybeans with cupped leaves and gradient symptomology across field.	60	0	5
1: 40.806744;-89.298066, 4 ac, cupped soybean leaves,			
2: 40.836395;-89.300534, 77 ac. cupped soybean leaves,	3	3	12
Curt Hodel has 30 acres of soybeans with cupped leaves.	60	60	4
40.886114;-89.274613, 45 ac. cupped soybeans, Steve Byrd	66	0	4-6
80 acres of soybeans with cupped leaves.	66	0	3-5
2 acres of soybeans with cupped & puckered leaves.	0	60	16
(Triple V Inc.) has 10 acres of cupped soybeans.	60	0	4
30 acres of soybeans with cupped leaves.	3	0	4
60 acres of cupped soybeans.	60	0	6
3 acres of soybeans with light cupping in the upper trifoliate.	120	120	6-9
There were 25 acres soybeans with cupping of new growth.	75	0	4-6
60 acres of soybeans that are cupped.	60	0	6
60 acres of soybeans have puckered leaves.	1320	0	7
40 acres of soybeans with puckered new growth on R@ Stage Soybeans.	120	120	17

NW	N/A	Vaporguard DRA 5pt/100 gallon was in tank mix, but not on chemical list.
SW	N/A	Vaporguard DRA (5pt./100 gal) was also in tank mix. Went to field twice to complete.
SW	N/A	Vaporguard DRA was in tank mix also but not on chemical list
NW	N/A	Vaporguard DRA was also in tank mix but not on chemical list.
SW	N/A	Vaporguard DRA was in tank mix also. Went to this field twice to complete.
S	N/A	Vaporguard DRA was also in tank mix but not on chemical list.
SW	N/A	Vaporguard DRA was in tank mix but not on chemical list. Went to field twice to complete
SW	N/A	Vaporguard DRA was in tank mix also but not on chemical list.
SW	N/A	Vaporguard DRA was in tank mix but not on chemical list. Went to field twice to complete.
SW	N/A	Vaporguard DRA was in tank mix also but not on chemical list. Went to field twice to complete
NE	N/A	Vaporguard DRA was in tank mix also but not on chemical list.
NE	N/A	Vaporguard DRE was in tank mix also but not on chemical list.
NE	N/A	Vaporguard DRA was in tank mix also but not on chemical list
W	N/A	Vaporguard DRA was in tank mix also but not on chemical list.
W	N/A	Optima & Point Blank were in tank mix also but not on chemical list
W	N/A	Vaporguard DRA was in tank mix also but not on chemical list
W	N/A	Vaporgard + DRA, Locktite and Border E6250 were also in tank mix but not on chemical list.
E	N/A	Locktite, Border E6250 & Vaporgard DRA were also in tank mix but not on chemical list.
SW	N/A	Locktite, Vaporgard DRA & Border E6250 was in tank mix also but not on chemical list.
W	N/A	Vaporgard + DRA, Locktite & Border E6250 was also in tank mix but not on chemical list. Sprayed on 07/05 8:45 a.m. to 9 a.m. also
SW	N/A	Vaporgard + DRA was in tank mix also but not on chemical list
E	N/A	Vaporgard + DRA, Locktite & Border E6250 were also in tank mix but not on chemical list. Also sprayed on 07/08 9:30 a.m. to 10 a.m.
E	N/A	Vaporgard + DRA, Locktite, & Border E6250 was also in tankmix but not on chemical list. Also sprayed on 07/08 11:15 a.m. to 12 p.m.
SW	N/A	Vaporgard + DRA, Locktite and Border E6250 were also in tank mix but not on chemical list.
SW	N/A	Optima & Point Blank were in tank mix also but not on chemical list.
NE	N/A	Intact was also in tank mix but not on chemical list
SW	N/A	Vaporgard + DRA, Locktite & Border E6250 was in tank mix also but not on chemical list.
E	Temperature Inversion	
NW	Temperature Inversion	

40	13	15	20	120	TTI11005	15
40	13	15	20	120	TeeJet TTI11004 (Red)	15
40	13	15	20	120	TTI11005	15
40	13	15	20	12	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
40	13	15	20	120	TTI11005	15
60	12	17	24	120	TTI11005	20
40	13	15	20	120	TTI11005	15
35	13	15	24	80	TTI11005	15
35	13	15	24	80	TTI11005	15
35	13	15	24	80	TTI11005	15
35	13	15	24	80	TTI11005	15
40	13	15	20	120	TTI11005	15
35	13	15	24	80	TTI11005	15
35	13	15	24	80	TTI11005	15
35	13	15	24	80	TTI11005	15
50	10	15	12	120	TTI11006	15
48	11	12	24	100	TeeJet TTI11004 (Red)	20
35	13	15	24	80	TTI11005	15
60	10	20	18	90	TTI11005	15
60	15	18	20	120	Green leaf twin turbo #6	15

282005 HUDSON	MC LEAN	IL	78	2
282017 ARENA	BURLEIGH	ND	100	30
282018 BOWDON	WELLS	ND	200	
282019 OBERON	BENSON	ND	500	100
282020 OBERON	BENSON	ND	351	370
282021 OBERON	BENSON	ND	440	320
282023 MADDOCK	BENSON	ND	145	280
282024 HARVEY	WELLS	ND	150	80
282025 CATHAY	WELLS	ND	73	15
282029 ARLINGTON	FAYETTE	IA	100	11
282030 SUMNER	BREMER	IA	146	15
282031 JANESVILLE	BREMER	IA	150	50
282032 ROANOKE	WOODFORD	IL	100	8
282045 MADDOCK	BENSON	ND	80	90
282046 NEW ROCKFORD	EDDY	ND	150	35
282047 SHEYENNE	EDDY	ND	333	160
282048 MADDOCK	BENSON	ND	260	35
282086 LEXINGTON	MC LEAN	IL	112	20
282087 BLOOMINGTON	MC LEAN	IL	35	45
282088 LINCOLN	LOGAN	IL	80	15
282090 NEW HOLLAND	LOGAN	IL	126	30
282091 LINCOLN	LOGAN	IL	72	160

Engenia	8-Jun-2017
Engenia	2-Jul-2017
Engenia	29-Jun-2017
Engenia	2-Jul-2017
Engenia	5-Jul-2017
Engenia	2-Jul-2017
Engenia	17-Jul-2017
Engenia	13-Jul-2017
Engenia	7-Jul-2017
Engenia	11-Jul-2017
Engenia	6-Jul-2017
Engenia	26-Jun-2017
Engenia	7-Jul-2017
Engenia	29-Jun-2017
Engenia	1-Jul-2017
Engenia	10-Jul-2017
Engenia	25-Jun-2017
Engenia	26-May-2017
Engenia	1-Jul-2017
Engenia	4-Jul-2017
Engenia	16-Jun-2017
Engenia	13-Jun-2017

Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting

2 acres of soybeans with puckered leaves with some terminal bud inhibition.	2	0	3
drifted on 30 acres of his own field causing leaf cupping for 500 ft, with terminal bud stunting for 20 ft.	500	0	8-12
60 acres of soybean leaves with cupping only.	500	110	8-10
100 acres of soybeans with leaf cupping.	2000	0	10
1: 200 acres			
2: 100 acres			
3: 70 acres			
All affected have soybean leaves with cupping up to 1/2 mile across field.	2640	210	10
1: 47.987974;-99.217228, 240 acres			
2: 48.036645;-99.218859, 80 acres			
All fields listed above have soybeans with leaf puckering & terminal inhibition on field for 600 ft.	2000	110	10
280 acres of soybeans with cupped leaves. Heaviest on SE side along Xtend beans.	2640	110	5
80 acres of soybeans with puckered leaves. Soybeans were damaged by hail on 07/21/17.	1320	0	8
15 acres of soybeans with slight leaf cupping that didn't show until early August.	500	110	8
10.31 acres of non dicamba soybeans.	120	120	6
15 acres of soybeans with puckered leaves on the top growth. Symptomology starts at Eric's building and goes NE toward E fence line.	65	65	6
1: 42.644515;-92.406247, 30 ac.,			
2: 42.642074;-92.409602, 20 ac.			
These fields had Internodal shortening and leaf cupping on east side of treated field. Symptoms didn't show until 25 days after Engenia application date which indicates some kind of inversion effect.	250	66	0-5
8 acres of soybeans with cupped leaves.	3	0	12
1: 50 ac.			
2: 30 ac.			
3: 10			
4: 10			
All soybeans have terminal bud inhibition & leaf cupping. 600 ft. into 35 acre field that has terminal bud inhibition & leaf puckering.	1320	0	3-5
	0	0	8-14
1: 60 ac.			
2: 100 ac.			
All acres have soybean leaf cupping 200 - 400 ft. into field.	400	0	7-15
1: 15 ac.			
2: 20 ac.			
All soybean fields have leaf cupping.	200	110	5-10
20 acres of soybeans with cupped leaves.	120	120	4
45 acres of soybeans with cupped leaves.	0	0	6
15 acres of cupped soybeans.	250	250	3
30 acres of soybeans with cupped leaves and are stunted	110	110	7-10
160 acres of soybeans with cupped leaves & are stunted.	60	0	7

SW	N/A	Section 3, AG16098, Class Act Ridion, Brandt Smart & Quatro were also in tank mix but not on chemical list.
SE	Drought	Lockumba was also in tank mix but not on chemical list.
S	Other	Dry Not Drought! Ensure Elite was also in tank mix but not on chemical list.
SE	N/A	Choice Trio & Reign were also in tank mix but not on chemical list.
SE	N/A	
E	Drought	Choice Trio & Reign were also in tank mix but not on chemical list.
NW	N/A	Cornerstone, Class Act Ridion & Interlock were in tank mix also, but not on chemical list
NE	N/A	Class Act Ridion & Interlock were also in tank mix but not on chemical list
NE	N/A	Insure Elite was also in tank mix but not on chemical list
NW	Other	Drift. AG16098 and Appe were also in tank mix but not on chemical list.
NW	Temperature Inversion	Class Act Ridion & AG16093 were also in tank mix but not on chemical list.
NW	Temperature Inversion	Class Act Ridion, AG16098 & Volunteer were in tank mix also but not on chemical list.
W	N/A	Vaporgard + DRA, Locktite and Border were also in tank mix but not on chemical list
W	Drought	Cornerstone 5, Class Act Ridion & interlock were in tank mix also but not on chemical list.
NE	N/A	Cornerstone 5, Class Act Ridion & Interlock were also in tank mix but not on chemical list.
SW	Other	dry conditions. Cornerstone 5, Class Act Ridion & Interlock were also in tank mix but not on chemical list.
NE	Other	Dry conditions. Cornerstone 5, Class Act Ridion & Interlock were also in tank mix but not on chemical list.
W	N/A	Weather was normal. Section 3, Quatro & Vaporgard + DRA were also in tank mix but not on chemical list.
SW	N/A	Vaporgard + DRA was also in tank mix but not on chemical list
SE	Temperature Inversion	Activate Plus was also in tank mix but not on chemical list.
W	N/A	Normal weather conditions. Astonish was also in tank mix but not on chemical list.
SW	Drought	Astonish & Outlook were also in tank mix but not on chemical list.
		Lincoln Ag did spraying.

35	11	10	24	90	TeeJet TTI11004 (Red)	20
40	12	10	21	100	TTI11003	20
40	14	10	24	100	Tee Jet Flat Fog	20
40	14	10	24	120	TeeJet TTI11004 (Red)	20
40	14	10	24	120	TeeJet TTI11004 (Red)	20
40	14	10	24	120	TeeJet TTI11004 (Red)	20
30	15	10	24	120	Wilger PR10110	20
80	14	10	24	120	TTI11003	15
30	15	10	24	100	TTI11005	20
40	12	16	20	120	TTI11005	20
10	12	18	20	120	TTI11005	20
40	9	15	19	90	TTI11005	20
35	13	15	24	80	TTI11005	15
50	12	10	24	120	TeeJet TTI11004 (Red)	20
30	14	10	24	120	Wilger UR11008	20
30	14	10	24	120	Wilger UR11008	20
50	12	10	24	120	TeeJet TTI11004 (Red)	20
35	8	15	24	60	TeeJet TTI11004 (Red)	20
35	9	15	24	90	TeeJet TTI11004 (Red)	20
40	8	15	20	80	TeeJet TTI11004 (Red)	20
40	8	15	24	120	DR110-10	15
40	10	15	24	100	TTI11005	15

282092 LINCOLN	LOGAN	IL	106	160
282126 MOUNT PULASKI	LOGAN	IL	40	90
282127 LINCOLN	LOGAN	IL	61	15
282128 BEASON	LOGAN	IL	73	20
282129 GLIDDEN	CARROLL	IA	45	
281993			3	
281994 SAVANNAH	ANDREW	MO	30	
281997 CAMDEN POINT	PLATTE	MO	35	
281998 HOPKINS	NODAWAY	MO	80	
281999 STEWARTSVILLE	DEKALB	MO	60	
282010			65	
282011 WESTON	PLATTE	MO	6	
282012 HELENA	ANDREW	MO	45	
282013 SKIDMORE	NODAWAY	MO	53	
282014 STANBERRY	GENTRY	MO	10	
278309 WELLS	FARIBAULT	MN	240	
278809 WELLS	FARIBAULT	MN	40	10
278812 WELLS	FARIBAULT	MN	120	20
279635 WELLS	FARIBAULT	MN	240	
279640 WELLS	FARIBAULT	MN	220	
279643 WELLS	FARIBAULT	MN	240	
279650 WELLS	FARIBAULT	MN	160	
279655 WELLS	FARIBAULT	MN	160	
279659 WELLS	FARIBAULT	MN	160	
279663 MAPLETON	BLUE EARTH	MN	228	40
279665 ALBERT LEA	FREEBORN	MN	120	
280961 HERON LAKE	JACKSON	MN	80	
280968 WELLS	FARIBAULT	MN	120	

Engenia	16-Jun-2017
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Engenia	13-Jun-2017
Engenia	27-Jun-2017

Engenia	21-Jun-2017
Engenia	20-Jun-2017
Engenia	1-Jul-2017
Engenia	19-Jun-2017
Engenia	23-Jun-2017

Engenia	20-Jun-2017
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Engenia	20-Jun-2017
Engenia	26-Jun-2017
Engenia	28-Jun-2017

Engenia	9-Jun-2017
Engenia	28-Jun-2017

Engenia	2-Jul-2017
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Engenia	3-Jul-2017
Engenia	3-Jul-2017

Engenia	4-Jul-2017
Engenia	3-Jul-2017
Engenia	4-Jul-2017
Engenia	3-Jul-2017

Engenia	4-Jul-2017
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Engenia	4-Jul-2017
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Engenia	4-Jul-2017
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Engenia	26-Jun-2017
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Engenia	23-Jun-2017
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Ditches also sprayed around July 14 in mower county; alleged and Dicamba in mix. Tissue samples found 24D and Dicamba.

The field is west of the treated field. took photos on south end. Ditches show 24-D, Banvel Epinasty soybeans show Strapping (24D) along south Ditch.
Cupping

SE wind directional look to field. large road buffer.
County Ditch does look sprayed. Photos taken. Wide buffer, deep ditch.; across county tar road to north

Edge sprayed with Generic Flexstar of Non DT beans were not affected by cupping, boom length in were.
Left buffer noticed symptoms July 25. S, SE winds looked at again Aug 7. new growth looks good.

Looked like area that had symptoms also was sprayed after with contact weed control.
Noticed Steep Ditch. Could not be wind as gradient was steep. ONLY one row showed cupping, did NOT go into field. Thistles next to row were dead as if ditch had been sprayed. was cut grass.
Garden below hill 200 ft away. cupped.
Growers field NW protected corner <5 acres cupped. not largely concerned. wind was out of NW when spraying and windbreak on NW side. Affected: (1) Small garden SE (2) Non DT beans <5 acres NW

160 acres of soybeans with cupped & stunted leaves.	60	0	6
1: 40 ac closest to application 39.994694;-89.337430			
2: 10 ac. 1/4 mile from application 39.999297;-89.337258			
3: 40 ac. 1/2 mile from application 40.001796;-89.336658			
All fields have cupped leaves.	90	90	5
15 acres of soybeans with cupped leaves.	60	60	6
20 acres of soybeans with cupped leaves. Entire field was weedy. Cupped and non cupped have equal amounts of waterhemp.	70	70	5
Cupped soybeans.	120	0	13-15
LEAF CUPPING	180	110	7
Growth regulator symptomology on neighboring fields.	600	110	9
leaf cupping and wrinkling	650	110	6
Cupping and wrinkling of soybean leaf tissue across majority of the field.	150	120	3
Crop symptoms included severe cupping and wrinkling of soybean leaf tissue throughout the whole field.	200	0	8
Growth regulator symptomology.	800	110	13
Curled, wrinkled, cupped leaf tissue	500	110	10
Soybean leaf tissue cupping and wrinkling (Liberty beans)	400	0	9
Leaf cupping and wrinkling	300	120	8
Visual symptoms of growth regulator - leaf cupping and wrinkling	600	110	9
1. stunted growth on Tomatoes, growing out of symptoms 100' didn't know plants in yard.			
2. 80ac W 1/2mile, drawstring, ditches obviously sprayed. have photos; (1. 5 Tomato plants			
2 Non DT Soybeans 1330 feet to east thru corn field.)	1300	110	4
cupping	40	0	6
cupping. new leaves look good, not hard Strapping noticed in the field to West. Ditches looked sprayed. DT beans showed Strapping in Raimanns also. North side of field Al Steers showed cupping 20 A	110	120	7
Cupping	110	110	5-10
Cupping	1300	110	8
cupping, Strapping	300	110	8
Cupping	350	350	8
Cupping, Razorback. Looks like Ditch possibly Sprayed. Dick took samples. Sue Duggan field to North.	200	110	8
Cupping Brian Hanson Field to West	10	10	4
40 a Cupping north side of tar county Road 300ft	300	300	6
Cupping. Looked like field was sprayed Aug 1-2 with herbicide again in affected area. brownish tone to leaves and weeds.	110	110	8
Cupping STRAPPING only one row in entire field	300	300	8
cupping	80	80	10

NE	Drought	Astonish was also in tank mix but not on chemical list. Lincoln Ag did the spraying.
SW	Drought	Outlook & FS Attero were also in tank mix but not on chemical list
NW	Drought	Vaporgard + DRA were also in tank mix but not on chemical list.
W	Drought	Iconic was also in tank mix but not on chemical list.
SW	Drought	Clethodium & Fortix were in tank mix but not on chemical list.
SW	N/A	
S	N/A	
SW	N/A	
W	Temperature Inversion	
S	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
SW	N/A	
E	N/A	applicator had injection kit as does other applicator.
N	N/A	wind was out of north. Fields with symptoms are North and west
SE	N/A	wind gusts to 16. Field was W of treated field.
NE	Other	{possible 24D in ditches/carmens)_
SE	Other	wind switching to E
E	Other	
SE	Other	
SE	Other	wind switching Applicator stated N wind
SE	N/A	
SE	Other	
S	Other	Grove of trees on North edge. No weeds affected.
NE	N/A	
NW	N/A	No buffer left in NW corner of field, but NW corner affected 5 acres beans, windbreak to NW also.

40	10	15	24	100	TTI11005	15
30	12	15	24	90	TeeJet TTI11004 (Red)	10
40	10	15	24	100	TTI11005	15
40	7	15	24	60	TeeJet TTI11004 (Red)	15
36	12	10	24	120	TTI11005	20
45	12	15	24	100	DR110-10	20
45	11	15	24	100	DR110-10	20
40	8	15	24	100	TeeJet TTI11004 (Red)	20
44	13	12	24	100	TeeJet TTI11004 (Red)	20
42	12	15	24	100	DR110-10	20
45	11	15	24	100	TeeJet TTI11004 (Red)	20
38	11	15	24	100	TT1-110-05	20
45	13	15	24	100	DR110-10	20
52	14	15	24	100	TTI11005	20
52	13	15	24	100	TTI11005	20
40	12	13	24	90	TeeJet TTI11004 (Red)	15
50	13	13	24	90	TeeJet TTI11004 (Red)	15
35	12	15	24	120	TeeJet TTI11004 (Red)	15
40	12	13	24	90	TeeJet TTI11004 (Red)	15
40	12	13	24	120	TeeJet TTI11004 (Red)	20
40	12	13	24	120	TeeJet TTI11004 (Red)	20
40	13	13	24	120	TeeJet TTI11004 (Red)	20
40	12	13	24	90	TeeJet TTI11004 (Red)	15
40	12	13	24	90	TeeJet TTI11004 (Red)	15
40	12	15	24	90	TeeJet TTI11004 (Red)	20
45	12	15	24	120	CASE IH pulse control sprayer DGI tips	20
25	8	15	20	90	TeeJet TTI11004 (Red)	15
40	12	13	24	120	TeeJet TTI11004 (Red)	15

277404	MENDON	ADAMS	IL	20
277411	URSA	ADAMS	IL	25
277413	URSA	ADAMS	IL	60
277420	WARSAW	HANCOCK	IL	20
277429	WARSAW	HANCOCK	IL	30
277434	BASCO	HANCOCK	IL	30
277436	BASCO	HANCOCK	IL	65
277438	MENDON	ADAMS	IL	40
277471	CARTHAGE	HANCOCK	IL	20
277473	MENDON	ADAMS	IL	20
277474	WEST POINT	HANCOCK	IL	20
277475	ROSEVILLE	WARREN	IL	30
277476	CAMP POINT	ADAMS	IL	30
278131	LEWISTOWN	FULTON	IL	1
278482	CAMP POINT	ADAMS	IL	20
278487	QUINCY	ADAMS	IL	20
281986	IPAVA	FULTON	IL	40
281135	HILLSBORO	HIGHLAND	OH	75
281136	DECATUR	ADAMS	IN	400
281137	ELDORADO	PREBLE	OH	155
281962	SHELBYVILLE	SHELBY	IN	20
281963	RICHMOND	WAYNE	IN	120
281964	GREENVILLE	DARKE	OH	40
281965	GREENVILLE	DARKE	OH	40
282073				
278106	CROOKSTON	POLK	MN	200
281120				400
280813	NAPOLEON	LOGAN	ND	320
276423				
275952	SALINA	SALINE	KS	150
275957	EL DORADO	BUTLER	KS	140
277596	CLIFTON	WASHINGTON	KS	800

Engenia	6-Jun-2017
Engenia	21-Jun-2017
Engenia	20-Jun-2017
Engenia	21-Jun-2017
Engenia	21-Jun-2017
Engenia	14-Jun-2017
Engenia	12-Jun-2017
Engenia	27-Jun-2017
Engenia	7-Jun-2017
Engenia	20-Jun-2017
Engenia	19-Jun-2017
Engenia	19-Jun-2017
Engenia	22-Jun-2017
Engenia	27-Jun-2017
Engenia	3-Jul-2017
Engenia	6-Jul-2017
Engenia	13-Jun-2017
Engenia	1-Jun-2017
Engenia	30-May-2017
Engenia	21-Jun-2017
Engenia	27-Jun-2017
Engenia	1-Jun-2017
Engenia	16-Jun-2017
Engenia	16-Jun-2017
Engenia	21-Jun-2017
Engenia	17-Jun-2017
Engenia	5-Jul-2017
Engenia	7-Jun-2017
Engenia	7-Jun-2017
Engenia	24-May-2017

Weeds showed light symptomology. Visually pulled out of symptoms later in season.

Weeds had light symptomology of a growth regulator across the field. Terminal bud was not impacted. New bean growth did not show symptomology. The few end rows had stronger symptomology but nothing that looked like crop death from growth regulator. The field showed light symptomology as it moved across the field but it will continue to grow. Rows on the end had stronger symptomology but were continuing to grow

After talking with growers involved and explaining symptomology they both left amicably and no further meetings or follow-ups needed.

Investigator with the State Chemist, has been called and in touch with me. I shared what I knew with him. Have not talked with the applicator who drifted as he stopped returning calls. The grower that was drifted on, and I have talked multiple times and don't believe we will see a yield loss due to Dicamba symptomology

I was able to explain to the grower that he was seeing some minor cupping symptoms of Dicamba. No terminal buds had been damaged. They were going to be keeping an eye on the field. Had to go back and meet again because they thought there was yield loss. In walking the field on 8/11 we were able to identify SDS and Brown Stem Rot, which is not a symptom of Dicamba

Talked with applicator and showed the cupped beans and explained symptomology of Dicamba drift. He was going to touch base with the grower he drifted on.

CUPPED BEAN LEAVES

cupped beans

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Tomatoes, Trees	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

cupped and puckered leaves on new growth	100	100	8 - 12
puckered and cupped leaves on new growth	5	0	8
cupped and puckered leaves on new growth	5	0	8 - 10
puckered and cupped leaves on new growth	40	0	8
puckered and cupped leaves on new growth	80	0	6-9
cupped and puckered leaves on new growth	80	0	6 - 7
puckered and cupped leaves on new growth	80	0	10 -13
cupped and puckered leaves on new growth	80	0	5-8
cupped and puckered leaves on new growth	60	0	7-9
cupped and puckered leaves on new growth	80	0	12-15
cupped and puckered leaves on new growth	30	0	6-9
cupped and puckered leaves on new growth	15	0	7-14
puckered and cupped leaves on new growth	60	0	9-13
puckered leaves on flowers	80	0	4
cupped and puckered leaves	30	0	4.5
puckered and cupped leaves	40	0	2
cupped and puckered leaves	10	10	12
Cupping with gradient moving across the corner of the field	5	0	7-10
Light cupping across the field roughly 800 ft. into field. No buffer strip was used in field.	5	0	6
light cupping across the field. Stacked terminal buds across the first 5 rows across the field	130	110	7
Little symptomology of Dicamba drift. Cupping of leaves in soybeans of neighboring field but no affect on terminal buds	300	110	4-6
Heavily cupped soybeans on North side of field, symptoms shown across whole field	2000	0	N/A
Minor cupping of the beans as new growth emerged	40	0	10
Minor cupping of the new growth with no terminal bud inhibition	50	0	6-10
Slight cupping of the beans but more blistering of the surface	120	0	3-5
Leaf Cupping	350	350	8-26
Cupping of the leaves	132	132	8-10
CUPPED LEAVES	0	0	5
Field East and North of Engenia application have puckered leaves to the east about 100 ft into neighbor and to the North 250 ft. Worst puckering near Engenia application becoming less and less with distance. No buffer strips on East or North.	0	0	8
leaf cupping	2000	0	23
leaf cupping	1500	0	12
cupping	880	110	8

NE	N/A	
E	N/A	
SW	N/A	
NE	N/A	
SE	N/A	
S	N/A	
SW	N/A	
SE	N/A	
NE	N/A	
SW	N/A	
NW	N/A	
W	N/A	
S	N/A	
W	N/A	
S	N/A	
NE	N/A	
W	N/A	
SE	N/A	
NW	N/A	
S	Wind gusts	
NW	N/A	
S	N/A	Grower that sprayed has stopped communicating to Tubesing.
E	N/A	
N	N/A	
NW	N/A	Beans that were affected were not planted until 5/28/17. Not sure if emerged at time of application.
SW	N/A	
NE	Other	This is a custom applicator that sprayed for 2 different growers. There were three fields affected.
N	N/A	FIELDS TO THE NORTH OF THE APPLICATION SHOW CUPPED SYMPTOMS.
SE	Drought	
S	N/A	1/2 mile N of 18 hwy on Culver Rd.
SW	N/A	
SW	Drought	Applicators surrounding: Wilbur Ellis (clyde, ks) , none close to section field. 7/21/17

40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
40	12	10	24	100	TeeJet TTI11004 (Red)	20
30	15	15	24	120	TTI 11005	10
30	15	15	24	120	TTI 11005	10
30	15	15	24	120	TTI 11005	10
40	12	15	24	120	TeeJet TTI11004 (Red)	15
35	10	20	24	90	TTI 11005	20
40	12	15	24	120	TTI11005	20
35	8	20	24	90	TeeJet TTI11004 (Red)	20
35	8	20	24	90	TTI 11005	20
50	12	15	24	100	TTI11005	20
50	8	12	24	120	TeeJet TTI11004 (Red)	15
25	9	12	24	120	TeeJet TTI11004 (Red)	15
40	12	12	20	90	TeeJet TTI11004 (Red)	15
40	12	12	24	120	TeeJet TTI11004 (Red)	15
0	0	0	0	0	Grower that drifted has stopped communicating. Dealing with state chemist	0
40	12	12	24	120	TeeJet TTI11004 (Red)	15
40	12	12	24	120	TeeJet TTI11004 (Red)	15
20	12	15	24	120	TeeJet TTI11004 (Red)	15
50	12	10	24	132	TeeJet TTI11004 (Red)	20
40	12	10	20	132	Wilger DR110-08	20
40	12	10	24	120	UR110-06	22
50	8	12	24	100	TTI11005	20
55	12	15	40	100	TeeJet TTI11004 (Red)	20
55	11	15	48	100	AI---04	20
50	8	12	24	100	TeeJet TTI11004 (Red)	20

278390 SENECA	NEMAHA	KS	640	
278419 GREENLEAF	WASHINGTON	KS	1000	
278667 DOWNS	OSBORNE	KS	400	
278926 WAKEFIELD	CLAY	KS	80	
280681 KENT	STEPHENSON	IL	20	
280683 BRADFORD	STARK	IL	10	
282176 KENT	STEPHENSON	IL	20	
282177 LANARK	CARROLL	IL		20
282179 BRADFORD	STARK	IL	10	
277260 FUNK	PHELPS	NE	40	
280934 PRINCEVILLE	PEORIA	IL	30	
279097 HITCHCOCK	BEADLE	SD	320	
279099 ROSCOE	EDMUNDS	SD	67	
279101 ROSCOE	EDMUNDS	SD	640	
279103 WATERTOWN	CODINGTON	SD	310	
279105 Unknown	Unknown	Unknown	320	
279109 GROTON	BROWN	SD	160	
279112 GROTON	BROWN	SD	320	
279114 CHELSEA	SPINK	SD	640	
282145 HOVEN	POTTER	SD	650	
277646 LECK KILL	NORTHUMBERL AND	PA		7
281905+HA353:T 353 CHANCELLOR	TURNER	SD		160
277676 ZEELAND	OTTAWA	MI	30	
277904 ZEELAND	OTTAWA	MI	30	
280548 EATON RAPIDS	EATON	MI	10	

Engenia	13-Jun-2017
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Engenia	10-May-2017
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Engenia	6-Jun-2017
Engenia	2-Jun-2017
Engenia	27-Jun-2017
Engenia	26-Jun-2017
Engenia	27-Jun-2017

Engenia	27-Jun-2017
Engenia	26-Jun-2017

Engenia	8-Jun-2017
Engenia	8-Jun-2017
Engenia	8-Jul-2017

Engenia	25-Jun-2017
Engenia	7-Jul-2017
Engenia	20-Jun-2017

Engenia	29-Jun-2017
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Engenia	16-Jun-2017
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Engenia	20-Jun-2017
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Engenia	26-Jun-2017
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Engenia	22-Jun-2017
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Engenia	27-Jun-2017
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Engenia	17-May-2017
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Engenia	28-Jun-2017
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Engenia	5-Jul-2017
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Engenia	5-Jul-2017
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leaf cupping on new growth.

cupped leaves on new growth.

cupped new growth
new grow cupping

~10 acres to North
~10 acres to East

Filed showed symptomology just along west side

Entire Fields are affected
Entire Fields are affected.
Entire Fields are completely effected. Grower used Engenia, Roundup Powermax, Class Act Ridiion and AG16098 in spray mix.
Entire Field has been effected. Custom applicator made application of Engenia, Round up powermax and Diplomat
Entire fields are completely Cupped. Grower made application of Engenia, Powermax, Class act Ridion, AG16098
Entire Fields are cupped north of Engenia application. Grower made application of Engenia, Powermax and Rain

Grower admits he used in the tank with Engenia: Durango and Agcelerate along with unapproved nozzles.

Slight cupping in about 5-7 acres along west side of 15 acre fields

RR2Y field show symptomology consistent with dicamba. Symptoms only occur directly across from where Engenia was sprayed (not across from woods). Symptoms decrease further from the DT field, and go about 300' on the north end, and 150' on south end of field. New growth on RR2Y beans shows less symptomology and terminal growth is unaffected. No plant death was observed. Winds were 7-31 mph when Engenia was sprayed and direction was variable.

Slight cupping on Liberty beans. Symptoms continue for ~1000 feet into field. New growth shows less symptomology.
Tomatoes showed growth regulator symptomology. Wind was out of the SE when Engenia applied, and tomato field was along the north border. Landlord also hand-sprayed a 2,4-D product along field border, and was very evident along field pole markers.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR2)	leaf cupping
Soybeans (LL)	leaf cupping
Tomatoes	leaf cupping

cupping	800	110	7
leaf cupping	800	110	5
cupped beans 90% of fields	880	0	7
cupping	600	110	7
Cupped Leaves	300	75	10
Minor cupping on lower trifoliates	140	140	10
Cupped Leaves	300	75	10
Leaf Cupping	200	110	6
Minor cupping on lower trifoliates	140	140	10
Cupped Soybeans in a pattern moving NW through an 80 acre field. Movement does not appear to be from Engenia field but the Corn field to the SE.	250	90	6
Cupping of Soybeans and Stunted plants.	100	0	6
Cupping and Puckering	75	0	3
Cupped and puckered soybeans. Meristems somewhat effected.	25	0	5-12
Leaf cupping and puckering across entire fields	0	120	6
Leaf cupping and puckering across entire field	100	100	10
Leaf cupping and puckering across entire fields	0	0	3
Leaf cupping and puckering across entire field.	75	75	6-8
Entire Fields are cupped and puckering	0	0	6
Leaf Cupping and Puckering across entire fields	100	100	9
Leaf cupping. Most was a small amount of cupping, however, there was a corner of the field that had severe cupping	2500	0	10
Cupping of leaves / puckering	120	35	3.5-7.4
1. 43.42710289 N, -97.10480568W 80 ac curled leaves but terminal not inhibited			
2. 43.45594004N, -97.10457653 80 Ac curled leaves but terminal not inhibited	253	120	11
Cupping of newer growth at the top of the canopy. The affected field was on the west side of the road, and the DT field(s) sprayed with Engenia were on the east. There is a small section of woods that separate the two DT fields treated with Engenia. Symptomology on west side of road in RR2Y soybeans was only present directly across from DT beans (no symptomology present across from woods). Symptoms present ~300' on north end, ~150' on south. Cupped leaves. Symptoms consistent with dicamba. Terminal growth unaffected, new growth shows less symptoms.	50	120	7-31
Upper leaves show growth regulator symptomology (cupping, curling, and twisting of leaves). Newest growth appears with less symptomology, still flowers on entire plant and good fruit set. Tomatoes (Red Gold), grower.	70	120	3-8
	0	110	4

		Additional fields. 39.5450230, -960136560 39.5451436,-960531677 Additional fields: 39.722696, -96.842078 39.715296,-96.861012 39.743894,-96.853597
SW	Drought	
SW	Drought	
NE	Drought	39.44182 -98.56409
SE	N/A	
SW	N/A	
W	N/A	
SW	N/A	
NW	N/A	
W	N/A	
NE	N/A	Field was to West of Engenia sprayed field
SW	N/A	
N	N/A	No clear cut answer as to what has caused issue
NE	Drought	Entire field effected.
NW	Drought	
S	Drought	
N	Drought	
SW	Drought	
NW	Drought	
N	Drought	
S	N/A	
SW	Temperature Inversion	
SE	N/A	
SE	N/A	Dyne-Amic was also used in tank. Affected RR2Y field was Larry Bush, 8477 Pennington Rd, Tecumseh, MI 49286, 517-403-3682, lbush@tc3net.com.
SE	N/A	Liberty beans,Winds that day out of the south and variable direction.
SE	N/A	The field landlord sprayed a 2,4-D product with an ATV wand sprayer on property line.

55	8	12	24	90	TeeJet TTI11004 (Red)	20
55	8	15	24	100	TeeJet TTI11004 (Red)	20
30	8	12	24	90	TeeJet TTI11004 (Red)	20
55	8	15	24	100	TeeJet TTI11004 (Red)	20
0	0	15	24	90	TeeJet TTI11004 (Red)	10
0	0	15	24	100	ULD 12006	15
0	0	15	24	90	TeeJet TTI11004 (Red)	10
1	0	15	24	90	ULD 12005	15
0	0	15	24	100	ULD 12006	15
45	9	12	24	90	TeeJet TTI11004 (Red)	15
40	7	15	12	90	TeeJet TTI11004 (Red)	20
50	12	14	38	120	TTI110-05 Brown	20
45	12	10	24	120	TeeJet TTI11004 (Red)	20
45	12	15	24	120	TTI110-05	20
45	12	14	24	120	TTI-11005	20
45	6	12	24	60	TTI 110-03	20
50	12	15	24	90	DR110-10	20
45	12	12	24	120	TTI 110-05	20
45	12	14	24	120	TTI 11005 nozzles that were not approved to use with Engenia	20
35	10	10	24	120		10
18	5	20	22	60	Flood jet 110005	30
45	12	14	20	120	TTI11005	20
35	12	12	24	120	TeeJet TTI11004 (Red)	15
35	12	12	24	120	TeeJet TTI11004 (Red)	15
40	7	15	24	90	TeeJet TTI11004 (Red)	15

276306 WOLFORD	PIERCE	ND	175
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Engenia	20-May-2017
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Engenia	15-Jun-2017
Engenia	8-Jun-2017
Engenia	27-Jun-2017
Engenia	27-Jun-2017
Engenia	27-Jun-2017
Engenia	18-Jul-2017
Engenia	18-Jul-2017
Engenia	5-Jun-2017
Engenia	6-May-2017
Engenia	9-Jun-2017
Engenia	4-Jul-2017
Engenia	6-Jul-2017
Engenia	3-Jul-2017

Engenia

Engenia	27-Jun-2017
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Engenia

Engenia	12-Jun-2017
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Engenia	8-Jun-2017
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Engenia	13-Jun-2017
Engenia	9-Jun-2017

Engenia	27-Jun-2017
Engenia	5-Jul-2017

Engenia	13-Jun-2017
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Engenia	17-May-2017
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Engenia	21-Jun-2017
Engenia	17-Jul-2017

Engenia	20-Jun-2017
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Engenia	22-Jun-2017
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Plants already starting to grow out of cupping and are hiding it. Dosage highest in low spots of field closest to field border.

While tobacco plants are not incurring death, they are unable to be harvested. investigated the claim on 7/26/2017.

cupped soybeans. retailer applied for gross farms. drifted on Carnahan grain farm. Retailer's insurance adjuster has been called in on situation to monitor yield results. Cupped leaves on new growth. No dead plants. All growing. Both growers and CPS salesman met at field. Just cupping. Grower wants his hand held.

Cannot figure out how the field to the north of where he was spraying got cupping. Terminal bud continued to grow.

Drift from wind. Drifted on neighbors. Across road
Cupping pattern on outside field edges. Match with a wind coming out of the southwest blowing towards northeast. Notice cupping in field where water drains/runs through is worse.

Soybeans should grow out of cupping. Should be \$0.00 payment, but website keeps sending an error when \$0 is submitted.

affected soybeans were upwind from application

Soybeans (RR2)	leaf cupping, terminal inhibition
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Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Tobacco	leaf cupping
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Tobacco	leaf cupping
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Soybeans (LL)	leaf cupping, terminal inhibition
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Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping

Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping

Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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leaf cupping across 1/2 section and terminal bud inhibition 500 feet, auxiliary bud regrowth 200 feet	2000	0	7-14
1. Lat 43.65324265 Long. - 95.1193715 --- Mostly cupping with some stunting on west side of field in lower areas.			
2. Lat 43.66274681 long - 95.14121532 --- mostly cupping with some stunting in low areas in southeast corner of field.			
2. Start spraying 6-16-17 6:00 PM End spraying 6-16- 17 7:30 PM	2600	2600	light
Cupping	150	110	11
Leaf Cupping	110	0	12
Leaf Cupping	100	0	12
Leaf Cupping	80	110	14
Leaf Cupping	200	110	9
Leaf Cupping	200	110	9
Leaf Cupping	200	110	13
Leaf Cupping	75	110	14
Leaf Cupping	400	110	13
Leaf Cupping	100	110	9
Leaf Cupping	200	110	8
Leaf Cupping	125	110	7
Beans cupped on Field Edge border. Spread in different patterns in different parts of field. Beans were hit at R3-R4 stage and are showing declining dosage of dicamba the farther north you go in the field, fading out to nothing within 120 yards.	80	0	0-10
Cupped trifoliates, largest of dosage closest to field border, Terminal bud still growing fine. Hit before R1 stage	90	60	1-8
Tobacco leaf cupping approximately one third to one half of the field. Tobacco is not ripening and remaining green. The tobacco remains green with narrow and cupped leaves on the affected plants.	100	100	6
Damage appeared after 1st spraying. Leaf cupping and leaves remain green and not ripening. Tobacco leaf cupping approximately 1/3-1/2 across the field. Tobacco is not turning yellow.	90	90	6
Cupping of leaves on new growth. Some terminal buds damaged and slower to show new growth, but there is new growth.	2	300	5
non dt soybeans have cupping in new growth	2	500	4-5
cupping	20	10	5
cupping	100	0	7
cupping	200	200	7
cupped soybeans new growth	24	110	9
cupping. growth inhibition on outside rows	5	30	8
slight leaf cupping. slight terminal inhibition in the first 2-5 rows next to the DT soybean field	0	0	7.5
leaf cupping	300	120	5
Leaves cupped	3	3	0-3
leaf cupping	70	70	3-10

N	N/A	
NW	Temperature Inversion	
SW	N/A	
S	N/A	
S	N/A	
SE	N/A	
SE	N/A	
SE	N/A	
N	Flood	
SW	N/A	
SW	N/A	
SE	N/A	
SW	N/A	
S	N/A	
SW	N/A	Wind reading taken at 11:24 blowing 1.1-5.1 NNE, 11:30 a.m. blowing 3.8-8.1 SSW, 12:14 p.m. when finished application blowing 2.2-6.9mph SSE
NE	Other	I have been unable to confirm this information on the Maglis site. I have continued to try and sign in and the system seems to have an error.
E	N/A	
E	N/A	
NE	N/A	wind direction ENE anywhere from 3.6 to 11.5. Most of the day it was less than 10MPH.
SW	N/A	Grower applied in correct conditions followed label. Drift occurred on neighbor field.
N	Unusual Rainfall	water runoff from dicamba field into the field showing symptoms
SE	N/A	Wind direction may have changed to SW.
NW	N/A	Wind drift. Grower was on label.
NE	N/A	On Label
NW	N/A	Cupping patterns in field do not match the wind speed or direction the grower said to have sprayed on that day.
NE	N/A	
NE	N/A	
E	Other	East wind blowing away from affected area turned to calm when finishing spraying
NW	Other	soybeans affected upwind

60	14	10	24	120	TeeJet TTI11004 (Red)	20
40	12	10	24	90	AI 8005	20
45	9	15	27	100	TeeJet TTI11004 (Red)	20
45	9	15	24	100	005	20
45	9	15	24	100	005	20
45	9	15	24	100	005	20
45	9	15	24	100	DR110105	15
45	9	15	24	100	DR11010	15
50	9	15	24	100	DR110-10	15
50	9	15	24	100	DR110-10	15
50	9	15	24	100	DR110-10	15
50	9	15	24	100	DR110-10	15
50	9	15	24	100	DR110-10	15
50	9	15	24	100	DR110-10	15
30	10	15	24	90	TeeJet TTI11004 (Red)	15
35	8	15	18	60	TeeJet TTI11004 (Red)	20
30	10	12	15	66	TTI11005	20
30	10	12	15	66	TTI11005	18
50	12	15	24	100	TeeJet TTI11004 (Red)	15
50	10	13	24	100	TeeJet TTI11004 (Red)	15
35	9	15	24	90	TeeJet TTI11004 (Red)	15
25	8	15	24	90	TeeJet TTI11004 (Red)	15
40	12	15	24	100	TeeJet TTI11004 (Red)	20
38	11	12	24	80	TeeJet TTI11004 (Red)	20
40	8	16	16	100	TeeJet TTI11004 (Red)	15
42	15	10	24	120	TeeJet TTI11004 (Red)	15
50	11	15	24	120	TeeJet TTI11004 (Red)	15
0	0	0	0	0	0	0
38	9	15	24	90	TTI11005	20

280643	MOUNT VERNON	DAVISON	SD	145
280647	MOUNT VERNON	DAVISON	SD	160
280651	MOUNT VERNON	DAVISON	SD	200
280660	MENNO	HUTCHINSON	SD	80
280829	MENNO	HUTCHINSON	SD	160
280832	Unknown	Unknown	Unknown	160
280834	Unknown	Unknown	Unknown	160
280835	Unknown	Unknown	Unknown	160
280838	Unknown	Unknown	Unknown	160
280840	SCOTLAND	BON HOMME	SD	160
280850	ALEXANDRIA	HANSON	SD	240
280851	ELK POINT	UNION	SD	200
280898	CHINQUAPIN	DUPLIN	NC	70
274465	CLAY CITY	CLAY	IN	15
274467	HILLSBORO	FOUNTAIN	IN	25
276498	MONTGOMERY	DAVISS	IN	60
276499	CANNELBURG	DAVISS	IN	35
277442	CROTHERSVILLE	JACKSON	IN	40
277444	BROWNSTOWN	JACKSON	IN	40
277445	COLUMBUS	BARTHOLOMEW	IN	35
277447	SEYMOUR	JACKSON	IN	50
277449	BROWNSTOWN	JACKSON	IN	20

Engenia	25-Jun-2017
Engenia	25-Jun-2017
Engenia	22-Jun-2017
Engenia	26-Jun-2017
Engenia	1-Jun-2017
Engenia	30-Jun-2017
Engenia	1-Jun-2017
Engenia	30-Jun-2017
Engenia	14-Jul-2017
Engenia	22-Jun-2017
Engenia	30-Jun-2017
Engenia	20-Jun-2017
Engenia	27-Jun-2017
Engenia	29-May-2017
Engenia	8-Jun-2017
Engenia	27-Jun-2017
Engenia	29-Jun-2017
Engenia	27-Jun-2017
Engenia	17-May-2017
Engenia	11-May-2017
Engenia	19-Jun-2017
Engenia	21-Jun-2017

cupped beans for 1/4 mile

BUCCANEER PLUS, VOLUNTEER, CHS BUCKHORN, INTACT, CHS
WHEELHOUSE PRO

CHS WHEELHOUSE PRO, INTACT, BUCCANEER PLUS
CHS WHEELHOUSE PRO, BUCCANEER PLUS, INTACT
FIELD ID - BARN 80
BUCCANEER PLUS, TRAPLINE PRO 11
FIELD ID - ACROSS THE ROAD
ZAAR, ROUNDUP POWERMAX, POINTBLANK, INTERLOCK

TAPOUT, PERIMETER

ROUNDUP POWERMAX, TRAVERSE D

The leaves were cupped and slightly strapped, but I do not believe there will be any yield loss. In fact, these are some of the best soybeans I have walked all season. The farm was drifted on by an application made by nearby grower who did not follow guidelines of buffer or windspeed.

Wind was coming from the NE. The field sprayed was on the south side of the road and blowing away from the affected field. No inversion was noted. Wind remained from the NE all day, however beans in field directly North show cupped up leaves. Beans appeared to be stresses due to excessive water earlier in season, and thin stand. Area was notes in SW corner of affected field that appeared to be a sprayer skip when it was sprayed. Uncertain of cause of affected soybeans. Application resulted in drift to neighboring fields east of target. 3-4 cupped up trifoliates. Followup with grower requested in 2-3 weekd
Field to the east of target showed cupped up leaves on 2-3 trifoliates.
Affected field is north of treated field. Wind was blowing away from affected field and proper stewardship guidelines seem to have been followed.
Affected field is north of field treated with Engenia, Wind was blowing away from affected field (S). Stewardship guidelines appear to have been followed

Wind speed was in excess of 10mph and blowing toward affected field

Wind speed was off label for application of Engenia to upwind field
Affected field is NE of treated field. Corn was on east side and woods to the north. Corn field that lays directly south of the field was treated with Status. Primary drift appears to be from the corn, however the extreme SW corner of the affected field showed response. Wind was blowing 12mph and the opening between the corn and the woods possibly directed drift onto the affected field

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping+K400:S400
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking

cupping	200	66	7-8
cupping	66	66	8
cupping	66	66	5-10
cupped	66	66	7
cupping	66	66	7
CUPPED	120	120	5-10
CUPPED	200	0	5-10
CUPPING	100	120	5-10
CUPPING	200	120	10
CUPPING	20	0	11
cupping	100	120	8
CUPPING	20	20	5-10
The leaves were cupped with minor strapping and stacking of nodes This is a tank contamination event. The Engenia was sprayed successfully on 6-27, but when spraying flexstar on 7-8 some Engenia came out of the lines causing visible symptoms on sensitive soybeans			
	0	0	n/a
Leaf cupping	60	0	12-14

Leaf cupping	60	0	3-5
Cupping of 3 trifoliates	80	80	6-9
cupped up leaves on 2-3 trifolates	60	60	6-9
Leaf cupping on 3-4 trifoliolate leaves, 5th appear to be emerging unaffected	70	70	3-5
Cupping of leaves on 3-4 trifoliates	70	70	3-5
Cupping up of 3-4 trifoliates and shortening of internodes in top of plant. Terminal growth slowed	120	120	12-14
cupping up of 5-6 trifoliolate leaved, terminal growth inhibited on approx. 10 acres, rest of field cupped up leaves on 3-4 trifoliates	120	120	12-14mph
Leaf cupping on 3-4 trifoliates, some shortening of top 3-4 internodes	50	50	8-12

S	Other	
S	N/A	
NW	N/A	
W	Other	
E	Other	Affected Field to north. Wind shifted to north after application. FIELDS AFFECTED ON SOUTH, WEST, AND NORTH SIDES. WIND SHIFTED TOWARD THE NORTH AND WEST AFTER APPLICATION.
NW	Other	AFFECTED FIELD TO SOUTH ACROSS ROAD
NW	Other	LEIFERMAN'S - FIELD ID
NW	Other	AFFECTED FIELD TO THE EAST AND NORTHEAST
SE	Other	OFF TARGET MOVEMENT TO THE SOUTHEAST, WIND SHIFTED
NE	Other	FROM NW AFTER APPLICATION
		SOYBEANS AFFECTED TO SOUTH OF ENGENIA FIELD
NW	Other	AFFECTED FIELDS WERE NORTH AND EAST. WIND SWITCHED
		AFTER APPLICATION BLOWING TOWARD AFFECTED FIELDS.
W	Other	AFFECTED FIELDS BOTH EAST AND WEST OF TREATED FIELD
N	N/A	Because they were not spraying Engenia I do not have great
		information on the weather.
NE	N/A	
SW	N/A	
W	N/A	
W	N/A	
S	N/A	
S	N/A	
W	N/A	
W	N/A	
NE	N/A	

38	9	15	24	90	TTI11005	20
38	9	15	24	90	TTI11005	20
38	9	15	24	90	TTI11005	20
33	8	15	24	120	TTI1004	20
36	12	15	24	120	TeeJet TTI11004 (Red)	20
35	13	15	24	120	AIM COMMAND	20
38	12	15	24	120	AIM COMMAND	20
38	12	15	24	120	AIM COMMAND	20
36	12	15	24	120	AIM COMMAND	20
48	9	18	30	120	TTI11005	20
40	12	12	24	120	TTI11005	20
40	9	15	24	90	TeeJet TTI11004 (Red)	20
40	9	15	24	60	They were not using Engenia nozzles because they were spraying flexstar	20
60	12	15	36	100	TeeJet TTI11004 (Red)	20
60	12	15	36	100	TeeJet TTI11004 (Red)	20
60	12	15	24	100	TeeJet TTI11004 (Red)	20
60	12	15	24	100	TeeJet TTI11004 (Red)	20
60	12	15	24	100	TeeJet TTI11004 (Red)	20
60	15	10	24	100	TeeJet TTI11004 (Red)	20
55	15	10	24	100	TeeJet TTI11004 (Red)	20
60	12	12	24	100	TeeJet TTI11004 (Red)	20

277811 MANILLA	RUSH	IN	150	
281060 HITTERDAL	CLAY	MN	500	
276548 KENNEDYVILLE	KENT	MD	132	
277106 DENTON	CAROLINE	MD	200	
279347 BARCLAY	QUEEN ANNES	MD	300	
278525 GLENVILLE	FREEBORN	MN	100	
279155 HAYWARD	FREEBORN	MN	125	
277739 SHELL ROCK	BUTLER	IA	40	
278074 MULVANE	SEDGWICK	KS	80	
278991 OMRO	WINNEBAGO	WI	5	
281438 GREEN VALLEY	TAZEWELL	IL	80	14
Arndt #3 Terrill	Dickenson	IA	240	80
Arndt #4 Milford	Dickenson	IA	152	45
Arndt #5 Spirit Lake	Dickenson	IA	371	70
Arndt #6 Royal	Clay	IA	150	77
BR1 Conetoe	Edgecome	NC		25
BR2 Columbia	Tyrrell	NC		80
BR3 Pinetown	Beaufort	NC		140
CC1 Belle Plaine	Scott	MN		28.5

Engenia	29-Jun-2017
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Engenia	10-May-2017
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Engenia	2-Jun-2017
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Engenia	13-Jun-2017
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Engenia	13-Jul-2017
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Engenia	3-Jul-2017
Engenia	4-Jul-2017

Engenia	3-Jul-2017
Engenia	6-Jul-2017
Engenia	21-Jun-2017
Engenia	15-Jun-2017

Engenia	6/13/17-6/14/17
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Engenia	22-Jun-2017
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Engenia

ENGENIA	21-Jun-2017
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Grower was applying Engenia on 36in tall corn next to non DT tolerant soybeans. Wind was blowing toward the soybean fields. They also used a non approved nutritional that contained ammonium that potentially resulted in degradation of the Engenia. Application was off label because of the tank mix nutritional as well as no buffer was left between the crops.

Non-DT soybeans plants showing some cupping but minor symptoms. symptoms persisted into the no-DT field about 100 ft with symptom severity gradually reducing further into the non-DT field. Investigated field again on 7/12 and 99% of soybeans had no symptoms. Non-DT field had grasshoppers and grass 8" that needed attention.

Symptoms were very minor. Dust was blowing toward impacted field during application. Soybeans should continue to grow with no loss expected. Will follow up in a few weeks.

Looked at two non DT Fields of soybeans owned by

Noticed symptomology but the grower wanted to be educated about the situation more than anything.

reporting cupping

Leave cupping but the terminals look fine. The field was sprayed around 07/03/17 and caused cupping of the soybean leaves on Rick's field that lays directly west of Swanson's field. Rick stated that his soybeans were shrinking in size.

Soybeans showed dicamba effects with puckering. Terminals seemed to be fine.

Leave cupping but the terminals look fine. Two fields of non-DT soybeans showing dicamba symptomology. Gradient of symptoms. Worse cupping near site of application. 2 fields with symptomology. 1st Field (LAT 35.804267 LONG -76.408466) 50 acres with leaf cupping, new leaves have recovered. 2nd field (LAT 35.8011711, -76.399978) - closer to DT soybeans - 20 acres had some cupping but also saw branching - terminal inhibition. Leaf cupping & deformation, gradient from application site across the field on 120 acres. Cotton application drifted onto soybeans. Application was made by a grower on a field north of the affected 87 acre soybean field on 6/21/17. Were not able to speak with the applicator or verify information. We did find that the grower of the field north of the affected soybeans purchased 10 gal of Engenia from a Coop in Montgomery, MN. The affected grower reported that the application to the north was around 7:00 PM on 6/21/17 with a NW wind at 4-8 mph. The MN State Department of Ag investigated this claim on 7/24/17. There was an apparent delay in soybean maturity on the affected field that he claimed was due to apparent drift. Mr. Schmitz's field is extremely variable due to terrain and soil type.

Soybeans (non-DT)	leaf cupping, terminal inhibition
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (RR)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping
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Soybeans (non-DT)	leaf cupping, stunting
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Leaf cupping on 3-6 trifolaiates. Plants within 150 ft of corn had terminal growth inhibited	10	10	5-15
cupped leaves	2500	110	4.5
cupping of leaves on non-DT soybeans next to sprayed field. Grower/Applicator claims that the wind was blowing away form the non-DT field.	80	20	4
Investigated and noticed minor cupping of leaves on both side of dirt lane. Beans were entering R1 upon investigation. Grower (Jones) noticed dust from his field traveling toward neighbors	1500	110	7-12
Story non DT soybeans showed symptoms of cupping. moderate in outside 1st two rows, very minor further into field. neighboring vege garden not impacted. field directly across road from sprayed field.			
Leager non-DT soybeans showed cupping symptoms in random areas of field. moderate cupping. no -pattern noted. Field about .3 miles from sprayed field. Mites?	110	110	3
Cupping of the newly emerged trifoliates	1000	0	7-9
cupping of newly emerged trifoliates	400	0	7-9
Cupping of leaves.	225	150	5-10
Cupping on newest 6-7 trifoliates.	30	30	5
Leaves cupping	20	0	0-3
leaves cupped over entire acres 13.3ac	15	0	3
Leaf cupping, terminals look fine	300	200	
Puckering of bean leaves.	100	0	
Puckering of bean leaves.			
Leaf cupping but no terminal bud injury.	200	200	
cupping, deformation of leaves	40	40	
leaf cupping on 2nd field, branching of soybeans on 1st field	50	50	0-10
cupping/deformation, terminals fine	20	20	
cupping and stunting of soybeans	100-1000	None apparent	4-8

N	N/A	Growers effected By Dicamba Movement
NW	N/A	Chris Erickson,Dan Pritchard,John Austinson,Mike Lockhart, Rudy Braseth, Jeff Gillespie
SE	N/A	normal
NW	N/A	Hot - 92 degrees. Wind blowing toward hutchisons beans. grower noticed dust blowing
SE	N/A	air temp 92 degrees. spray mix also included 2 adjuvants: class act ridion and AG16098
SE	N/A	
SE	N/A	
SE	N/A	
N	Drought	Didn't leave correct buffer.
SW	N/A	Drift
SW	Drought	
	N/A	
	unsure since grower was not sure of the spraying date	
SW	N/A	
NW		

60	12	15	24	100	TeeJet TTI11004 (Red)	20
40	12	10	20	120	wilger dr110-08	20
37	12	11	24	100	TeeJet TTI11004 (Red)	20
35	12	10	24	120	TeeJet TTI11004 (Red)	20
50	10	20	24	100	TTI 11005	20
30	12	20	26	80	Used AIXR-1105's for application	20
30	12	20	26	80	used AIXR-1105's	20
50	12	14	20	90	TeeJet TTI11004 (Red)	20
60	10	15	24	100	TeeJet TTI11004 (Red)	20
30	9	10	18	80	Great Plains	30
40	12	15	24	120	TTI 11005	15
35	8-12	12	24	120	TTI11005	15
28	10-12	10	10	120	AI110 - He was unsure of the nozzle type & never got back to me	20
35	14	10	18	90	TTI11005	20

43.293676	-94.993235	Off-target grower is not speaking to Larry
43.30116	-95.194497	
43.414935	-95.217695	
43.798056	-95.137222	Off-target grower is not speaking to Larry
35.727993	-77.37751	**Data complete as of 8/1/17 by BT
Multiple fields	Multiple fields	Emailed for additional information on 8/11/17
35.766108	-76.560502	Emailed for additional information on 8/11/17
44.616104	-93.647881	

Clay #10 Blytheville	Mississippi	AR	1400
Clay #11 Rector	Clay	AR	320
Clay #12 Rector	Clay	AR	400
Clay #14 Hughes	Saint Francis	AR	100
Clay #15 Manilla	Mississippi	AR	275
Frenchman's			
Clay #16 Bayou	Mississippi	AR	941
Clay #17 Manilla	Mississippi	AR	2320
Clay #18 Joiner	Mississippi	AR	96
Clay #19 Joiner	Mississippi	AR	250
Clay #21 Marion	Crittenden	AR	351
Clay #22 Blytheville	Mississippi	AR	3000
Clay #23 Marion	Crittenden	AR	352
Clay #24 Marion	Crittenden	AR	47
Clay #25 Marion	Crittenden	AR	427
Clay #26 Wynne	Cross	AR	76
Clay #27 Blytheville	Mississippi	AR	76
Clay #28 Earle	Crittenden	AR	80
Clay #29 Memphis	Crittenden	AR	40
Clay #3 Marked Tree	Poinsett	AR	80
Clay #30 Blytheville	Mississippi	AR	525
Clay #31 Manilla	Mississippi	AR	300
Clay #32 Delaplaine	Greene	AR	80
Clay #33 Paragould	Greene	AR	114

Engenia	22-May-2017
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Engenia	25-May-2017
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Engenia	
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Engenia	
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Engenia	
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Engenia	13-Jun-2017
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Engenia	
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Engenia	11-May-2017
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Engenia	21-Jun-2017
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Unknown	
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Affected grower has 1400 acres that have mild to moderate leaf cupping across all fields. This claim is alleged by multiple growers.
320 acres that grower spraying his own cotton drifted on his own soybeans. Minor to moderate leaf cupping.

400 acres have minor to Moderate leaf cupping. Grower refused to give address.
100 acres have old leaves(heart shaped & puckered), minor cup, some strapped.
Symptoms of Group 15 herbicide that was sprayed on field. Field next to affected acres is a DT field. Upon 2nd inspection on 07/24/17, there was very minor cupping on some older leaves. Soybeans affected have grown out of any cupping and doing well.

275 acres have mild to moderate leaf cupping uniform across acres.

941 acres have mild to moderate leaf cupping; terminal growth continuing.
1220 acres of soybeans have mild to moderate leaf cupping;mild epinasty symptoms. Growing point still continuing. 1100 acres of peanuts have mild leaf cupping, mild epinasty symptoms. Revisit on 06/29/17. Saw mild to moderate leaf cupping in soybeans with a few fields severe. Peanuts recovering with minor symptoms.

96 acres with mild to moderate leaf cupping. Possible source of off-target drift documented. Grower affected applied Gramoxone, Intimidator pre followed by warrant(3 pt./ac.) & roundup(32 oz./acre first post emergence application.
250 acres have minor to moderate leaf cupping across entire field. More pronounced on South end of field. Possible off-target drift. Grower affected applied Dual/Liberty tank mix on 05/20 in the first post application. Symptoms noticed 06/11/17.

351 acres have mild to moderate leaf cupping; newest leaves uniform throughout all acres affected. In V-3 to V-4 stages. Most V-4

3,000 acres have mild to moderate new leaf cupping seen in all fields inspected. Terminal growth continuing.

325 acres have older leaves show symptomology consistent with Group 15 herbicide. No leaf cupping. Not Dicamba symptomology.

47 acres have severe to heavy injury on strip west side of field bordered by DT Soybeans. Definate drift pattern.

427 acres have a definate pattern of severe injury on turn row between source and affected. No Buffers

76 acres mild to moderate leaf cupping. Diagonal pattern of symptoms across fields. Not uniform. Terminal Inhibition observed.

76 acres have possible inversion/drift. Potentiallhy 3830 acres with symptoms. Mild cupping of leaves; new growth. Possible drift pattern from SW coner field to NE corner observed.

80 acres have mild cupping of new leaves across field. Inspected a 2nd time on 07/27/17 and the beans have recovered and look good.

40 acres have mild to moderate cupping of new leaves. Uniform across field. Re-planted the affected field except for 36 rows. Replants are looking good, just young.

80 acres have moderate to more pronounced leaf cupping of soybeans.

525 acres affected with a potential of 2,500 acres with symptoms. No visible DT symptoms of bordering fields. Possible drift or temp inversion.

300 acres have mild to moderate leaf cupping of new leaves. Uniform across fields. Started seeing symptoms 06/01/2017. Grower applied roundup & fierce to acres pre. Roundup and prefix was applied post on 05/10/17.

80 acres of soybeans with mild to moderate leaf crinkling. Older leaves are uniform throughout entire 80 acres. Terminals and new leaves show no cupping. Symptoms consistent with PPO & Group 15 herbicide.

2 fields totalling 114 acres of soybeans with cupping of leaves throughout fields. Fields were 76 ac. & 38 ac.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	Group 15
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping

Soybeans (non-DT), Peanuts	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	Group 15
Soybeans (Conventional)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Soybeans (non-DT)	leaf cupping
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Soybeans (LL)	group 15
Soybeans (non-DT)	leaf cupping

Mild to moderate leaf Minor to moderate leaf cupping across field. Grower refused to give address.			
Minor to moderate leaf cupping across field	25	25	
Herbicide symptoms. Zero auxin symptoms.	25	25	
Mild to moderate leaf cupping across field			
Mild to moderate leaf cupping	Greater than 25	Greater than 25	
Mild to moderate leaf cupping			
Mild to moderate leaf cupping			
Mild to moderate leaf cupping.			
Mild leaf cupping. Terminal growth continuing	25	25	
Mild to moderate new leaf cupping.			
No symptomology of dicamba.	50	50	
Symptoms taper to mild to moderate cupping.			
Symptoms taper to mild to moderate cupping.	25	25	
Diagonal patterns; mild to moderate cupping.			
Mild cupping of leaves; new growth			
Mild cupping of leaves; new growth			
Mild-moderate cupping across field. Pronounced Leaf Cupping	25	25	
Mild-moderate cupping of new leaves.			
Mild-moderate cupping of new leaves. Mild to moderate leaf crinkling. Older leaves are uniform throughout entire 80 acres. Terminals and new leaves show no cupping. Symptoms consistent with PPO & Group 15 herbicide.	2640	100	3
Leaves cupped	Unknown	Unknown	Unknown

E

Light SW/W

Possible Temperature
Inversion

Possible blown soil. No DT
for 3 miles

Temp. Inversion possible

Possible drift or drift of treated
soil.

Mild-moderate leaf cupping

S

N/A

Unknown

Unknown

TTI1104

TTI1104

40

8

15

24

80

TTI11006

20

35.8027	-89.9503	Alleged
36.1547	-90.1733	Ground borders on MO line.
36.1358	-90.1433	Ground borders on MO line.
34.9548	-90.3408	
35.6913	-90.2566	
35.426684	-90.07869	Land is in TN; Farm address is AK.
35.860843	-90.249764	
35.5011	-90.1479	
35.50346	-90.18275	
35.342332	-90.164878	
35.9555	-90.903	
38.277441	-90.215438	
35.288699	-90.244797	
35.299645	-90.334324	
35.176378	-90.86362	
35.85	-90.041	
35.33804	-90.43176	
35.3378	-90.4317	
35.25939	-90.2937	
35.857	-90.041	
35.7829	-90.2505	
36.222507	-90.826453	
36.0618	-90.4392	Source Unknown, Possible sources are E of 76 ac & S of 38 ac.

Clay #34 Turrell	Crittenden	AR		3500
Clay #35 Broseley	Butler	MO		12
Clay #36 Broseley	Butler	MO		40
Clay #37 Broseley	Butler	MO		80
Clay #38 *Quilin	*Butler	*MO		160
Clay #39 Advance	Stoddard	MO		40
Clay #4 Manilla	Mississippi	AR		40
Clay #40 Advance	Stoddard	MO	40	20
Clay #41 *Blythville	*Mississippi	*AR		3000
Clay #42 *Leachville	*Mississippi	*AR		107
Clay #43 Success	Clay	AR		60
Clay #44 *Caraway	*Craighead	*AR		80
Clay #45 Caraway	Craighead	AR		75
Clay #46 *Caraway	*Craighead	*AR		56
Clay #47 *Caraway	*Craighead	*AR		64
Clay #48 *Paragould	*Greene	*AR		4
Clay #5 Caraway	Craighead	AR		20
Clay #6 Caraway	Craighead	AR		40
Clay #7 Caraway	Craighead	AR	35	
Clay #8 Caraway	Craighead	AR		105
Clay #9 Blytheville	Mississippi	AR		494
Clay & Joe #20 Marked Tree	Poinsett	AR		800
Donner #1 Francisco	Gibson City	IN	80	5
Donner #2 Merom or Carlisle	Sullivan	IN	20	30

Unknown

Engenia 20-Jun-2017

Engenia 20-Jun-2017

Engenia 20-Jun-2017

Engenia 28-Jun-2017
Engenia 22-May-2017

Engenia 28-Jun-2017

Engenia 6-Jul-2017

Engenia 2-Jun-2017

Engenia 2-Jun-2017

Engenia 2-Jun-2017

Engenia 2-Jun-2017

Engenia

Engenia 12-Jul-2017

Engenia 5-Jul-2017

Grower affected has 3,500 ac. of soybeans with varied symptoms ranging from severe to minor leaf cupping. All terminals continue growth. Multiple exposure on some acres affected. Fields are by DT Soybeans

12 acres of soybeans with symptoms consistent to 2-4-D, Propanil & Facet symptomology. Appears grower had contamination residues of these herbicides were in his sprayer.

40 acres of soybeans with symptoms consistent with group 15 herbicides & PPO symptomology. Not Dicamba damage. Grower had treated acres with Reflex /PPO herbicide.

80 acres of soybeans with mild to moderate leaf cupping on affected areas.

2 fields with a combined 160 acres. Field #1 is 130 ac. & field 2 is 30 ac. Symptoms consistent with group 15 herbicides. Not Auxin symptomology. Grower has 40 acres of soybeans with uniform cupping of newest trifoliolate, yellowing of foliage were symptoms of Roundup Powermax. There was a drift spray pattern at a NE angle. 40 acres have minimal to moderate leaf cupping.

20 acres of soybeans with light symptoms of Auxin with leaf cupping. V7-R1 growth stage.

3000 ac of early planted soybeans that have minor leaf cupping across fields.

Fields are growing out of symptoms.

Grower has 107 ac of peanuts with a drift pattern, mild auxin symptoms, mild cigar leaf rolling of newest leaves in terminal. Only possible source DT cotton field west of affected peanut field.

60 acres of soybeans with a distinct pattern of Auxin symptoms. Shows minor leaf cupping in the R2-R3 stage. New leaves have no symptoms. This is a contamination of custom applicator of affected grower.

80 acres of field with moderate to severe leaf cupping. Soybeans are in state R5 - R6.

moderate to severe leaf cupping on first planted portion of field. Replanted portion in R2-R3 look good.

56 acres of soybeans with moderate leaf cupping. Replants show no symptomology

Severe leaf cupping. Soybeans are in R5 stage. It is possible that there has been more than one drift exposure.

20% of 4 acres(.08 acres) of pumpkins with minor cupping. No known sources of Dicamba.

20 acres have moderate leaf cupping throughout entire field. More pronounced on SE edge of field. Assessed that there are possibly 2 sources of off-target drift.

40 acres have moderate leaf cupping; drainage ditch between source and affected shows dicamba symptomology on entire length.

Mild to moderate leaf cupping. V-3 to V-4 soybeans.

105 acres have mild to moderate leaf cupping. Possible 2nd source W of field.

Terminal, continuing to grow across entire field.

494 acres have minor leaf cupping seen in all fields.

Half of acres have heavy response and the other half shows a light response.

Cupped leaves, plants not growing.

There were 5 acres of cupped soybean leaves.

30 acres of soybeans with cupped leaves. Section was also in tank mix.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	not dicamba
Soybeans (non-DT)	Group 15
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Peanuts	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Pumpkins	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Minor to Severe leaf cupping

Contamination damage - not due to Dicamba	2640	110	5
Group 15 herbicide & PPO symptomology.	110	110	6
Mild to moderate leaf cupping.	20	20	5-7
Soybeans are short & growth impacted by excess rainfall during emergence & early vegetative stages. Fields were poorly drained and rotated with rice. R-1 & R-2 stages. Auxin leaf cupping, yellowing of newest terminal leaves & cupping leaves. Yellowing leaves from Roundup symptoms.	N/A	N/A	N/A
Minimal to moderate leaf cupping (Pioneer 46T59)	110	110	7
	100	100	5
Auxin symptoms with leaf cupping. Appears to be physical drift from custom application of retailer on 40 acres of listed grower that is directly south of affected field. Minor leaf cupping across fields. Fields growing out of symptoms.	110	110	7
Mild auxin symptoms, mild cigar leaf rolling of newest leaves in terminal.	65	65	
Growing out of. New leaves show no symptomology.	110	110	5
Moderate to severe leaf cupping; Pioneer T59	10	0	
Moderate to severe leaf cupping			
Moderate leaf cupping			
Severe leaf cupping in upper terminal. Stage is R5. Several possible drift sources. (SB = T21 var)	100	Unknown	
Minor leaf cupping.			
Mild to moderate leaf cupping (V4-5)	25	None	
Mild to moderate leaf cupping-not terminal	50	50	
Symptoms uniform throughout field	25	None	
Mild to moderate leaf cupping. V-3 to V-5	100	No Buffer	
Minor leaf cupping in all fields.			
Cupped leave, plants not growing (Pioneer 47T39)	1/2 to 1 mile	Next to rice field	
Leaf cupping.	110	110	
Leaves cupped	120	120	13

N/NW	N/A	
N/NW	N/A	
N/NW	N/A	
N/A	Flood	Excess Rain during emergence & vegetative stages.
S/SW NE	N/A Other	Mostly Cloudy throughout day
S/SW	N/A	N/A
	N/A	
N	N/A	
	Unknown	
	Unknown	
	Unknown	
	Unknown	
E/SE	Other	
E/SE	Other - Weather data collected	
E/SE		
	N/A	
NE	Other - Wind Blowing	

35	12	15	24	100	TTI11005	20
35	11	15	24	100	TTI11005	20
35	11	15	24	100	TTI11005	20
40	9	15	24	100	TTI11004	20
50	15	10	24	90	TTI11005	20
40	9	15	24	100	TTI11004	20
43	12	15	24	90	Turbo Drop TD06	20
TTI1104						
40	10	17	20	100	TTI11004	15
60	10	20	30	100	TTI11005	15

35.43045	-90.233888	Source unknown. Lat & Long are one of many!
36.592186	-90.227964	Contamination
36.546313	-90.252867	Interlock also in tank mix.
36.6441	-90.2124	Interlock also in tank mix. Possible source fields noted.
36.542902	-90.325727	- Lat & Long are for both fields
36.523186	90.336733	
37.07071	-89.936643	
35.78861	-90.23949	
37.80767	-90.016071	
35.98811	-89.91944	
35.911583	-90.302866	
36.44928	-90.693227	Tank Contamination
35.746375	-90.300458	
35.743186	-90.278588	
35.757557	-90.278114	
35.755917	-90.261243	
36.16661	-90.58733	
35.822943	-90.363077	
35.804918	-90.33294	
35.822943	-90.363077	
35.84112	-90.40682	
36.0747	-89.9456	Ground borders on MO line. Alleged
35.41007	-90.511567	This is all the information that we can get. Don't know grower that got damage.
38.27471	-87.43945	
39.018803	-87.5349	

Donner #3 Evansville	Vanderburgh	IN		60
DS1 Huntsville	Logan	OH		143
DS2 Kenton	Hardin	OH		60
Foertsch #1 Wyndmere	Richland	ND	150	150
Foertsch #2 Fairmount	Richland	ND	4000	600
Foertsch #3 Fairmount	Richland	ND	150	160
Foertsch #4 Lidgerwood	Richland	ND	70	80
Foertsch #5 Unknown	Unknown	ND	160	250
Foertsch #6 Wyndere	Richland	ND	75	125
Ford #3 Alexandria	Rapides	LA	400	40
Ford#1 Lake Providence	East Carroll	LA	700	80
Ford#2 Deville	Rapides	LA	1000	40
Gary #22 Tazewell	Delavan	IL	80	4
Gary #49 Waverly	Morgan	IL	N/A	110
Gary #53 Waverly	Morgan	IL	N/A	50
Gary #55 Auburn	Sangamon	IL	N/A	150
Gary #57 Auburn	Sangamon	IL	N/A	100
Gary #58 Divernon	Sangamon	IL	N/A	155
Grant #1 Unknown	Bolivar	MS		80
Grant #10 Ruleville	Sunflower	MS		
Grant #11 Sunflower	Sunflower	MS		
Grant #12 Sunflower	Sunflower	MS		
Grant #13 Silver City	Humphrey's	MS		
Grant #14 Pather Burn	Sharkey	MS		
Grant #2 Ruleville	Sunflower	MS		
Grant #3 Ruleville	Sunflower	MS		
Grant #4 Meyersville	Issaquena	MS		
Grant #5 Meyersville	Issaquena	MS		
Grant #6 Metcalfe	Washington	MS		
Grant #7 Metcalfe	Washington	MS		
Grant #8 Cleveland	Bolivar	MS		
Grant #9 Doddsville	Sunflower	MS		
Griffith #1 Tuscumbia	Colbert	AL	100	25

Engenia	5-Jul-2017
Engenia	27-Jun-2017
Engenia	27-Jun-2017
Engenia	9-Jul-2017
Engenia	
Engenia	
Engenia	20-Jul-2017
Engenia	26-Jun-2017
Engenia	
Engenia	1-May-2017
Engenia	10-Jun-2017
Engenia	2-Jun-2017
Engenia	23-Jun-2017
Liberty	22-Jun-2017
Liberty	22-Jun-2017
Liberty	28-Jun-2017
Flextar	21-Jun-2017
Liberty	27-Jun-2017
Engenia	8-May-2017
Engenia	
Engenia	31-May-2017
Engenia	8-Jul-2017
Engenia	
Engenia	14-May-2017
Engenia	18-May-2017
Engenia	15-May-2017
Engenia	19-May-2017
Engenia	
Engenia	
Engenia	
Engenia	

Three growers each with 20 ac all have cupped soybean leaves.
new soybean leaves puckered up & shortened stems. 71 degrees on application date.
cupped & wrinkled soybean leaves on upper & new growth. 73 degrees on application date.
Contacted by growers who applied & were affected. Two growers each have 150 acres of cupped & stunted soybeans. There are a total of 300 acres.

Slight cupping to heavier depending on field.

160 acres of soybeans that are cupped. Neighbor to South sprayed Engenia
80 acres of soybeans with cupped leaves. Affected grower has not contacted BASF.
4 growers all have cupped soybeans. Grower sprayed a buffer of 200 ft. with light 3-5 mph winds.

125 acres of soybeans that have cupped leaves & stunted growth.

40 acres of soybeans with cupped leaves. Proper buffer zone not observed. Drift
80 acres of cupped soybeans.
40 acres of cupped soybean leaves.
The whole field was cupped before Engenia applied. After Engenia was applied, there is cupping on the west side next to the Engenia soybeans.
Tender truck tank contaminated with Engenia. Entire field cupped & stunted.
Tender not properly cleaned after Engenia load.
Tender truck tank contaminated with Engenia. Entire field cupped & stunted.
Tender not properly cleaned after Engenia load.
Tender truck tank contaminated with Engenia. Entire field cupped & stunted.
Tender not properly cleaned after Engenia load.
Tender truck tank contaminated with Engenia. Entire field cupped & stunted.
Tender not properly cleaned after Engenia load.
Tender truck tank contaminated with Engenia. Entire field cupped & stunted.
Tender not properly cleaned after Engenia load.
80 acres of soybeans that have trifoliated leaves curled. Terminals green and actively growing.
Soybeans that were sprayed with Engenia 4-5 days prior to a 1 inch rainfall. Water runoff through Non-DT soybeans resulted in crop response of soybeans along waterway.
Soybeans with Dicamba symptoms. Noticed on 06/19/17
Soybeans with Dicamba symptoms. First response reported on 06/19/17
Very minor dicamba response from alleged drift across paved road to non DT soybeans. Wind shifted during application.
Curled soybean leaves. Terminals look good. Went back two weeks later and beans were growing fine.
Curled soybean leaves.
curled soybean leaves.
Soybeans with curled leaves. Wind speed was said to be too high.
Soybeans with curled leaves.

Grower drifted onto his own soybeans
Cupped soybean leaves. It drifted across road from the treated field. First noticed in late May.
Jeremy Brown has cupped leaves & stunted plants on his Mycogen 5N451 not dt soybeans.
non DT Soybeans showing possible dicamba crop response.
25 acres with leaf cupping and growth disruption. Farmer alleges that h followed directions exactly but would not give sprayer info.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping, stunting
Soybeans (LL)	leaf cupping, stunting
Soybeans (LL)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (LL)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	
Soybeans (non-DT)	
Soybeans (non-DT)	
Soybeans (non-DT)	
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition

Leaves cupped	110	110	12
new soybeans leaves puckered up & shortened stems	260-2500	120	5
cupped up & wrinkled soybean leaves on upper & new growth	260	120	6
Leaves cupped	70	70	
Slight to heavy cupping			
Leaves cupped	60	60	
Leaves cupped	0	0	
Leaves cupped	200	200	42799
Leaves cupped			
Cupped soybean leaves	3	3	
Cupped soybean leaves	500	500	
Cupped soybean leaves	600	600	
4 acres of Liberty Link soybeans that have cupped soybean leaves.	0	0	10
110 acres have cupped & stunted soybean leaves. Pattern even over entire field.	0	0	5
50 acres have cupped & stunted soybean leaves. Pattern even over entire field.	0	0	8
150 acres have cupped & stunted soybean leaves. Pattern even over entire field.	0	0	
100 acres have cupped & stunted soybean leaves. Pattern even over entire field.	0	0	
77 acres have cupped and stunted soybean leaves. Pattern even over entire field.	0	0	
Curled trifoliolate leaves.	80	80	10
Dicamba Crop response			
Dicamba Crop response	110	110	3
Dicamba Crop response	110	110	6
Dicamba Crop response			6
Curled leaves	2680		3
Curled soybean leaves			
Curled soybean leaves			6
Curled soybean leaves	500	20	Too High
Curled soybean leaves			
Curled soybean leaves. Appeared to be tank contamination. He had applied dicamba prior to treating non DT soybeans. Some possible drift.			
Cupped soybean leaves.			
Cupped soybean leaves with some stunting			
Cupped soybeans leaves.			
Cupping of leaves, growth disruption	120	120	

E/SE	Other - Wind Blowing towards N	
W	Temperature Inversion	
SE	Temperature Inversion	
NW	Volatility	
N	Drift	
N/NE	Movement of Chemical	
SE	N/A	
	N/A	
	Drift	
	Drift	
	Temperature Inversion	
NE	N/A	
	Normal	
	N/A	
	N/A	
	N/A	
	N/A	
S	N/A	
SW	water runoff	
SE	Alleged drift	
	Alleged drift	
	Drift	
S	N/A	
NE	N/A	
	N/A	
	Drift	
	Tank Contamination	Possible drift
	Drift	
	Drift	
N/NE	Other - Possible wind drift	

50	14	12	30	100	TTI11004	15
	15	15	20	120	TTI10004	15
	15	15	20	120	TTI11004	15
40	10	12	24	90	TTI11003	20
40	10	12	24	120	TTI11003	20
					Wilger with Aim Command - approved	
45	10	10	24	100	TTI11003	20
					TTI11004 TTI11004 TTI11004	
40	12	15	24	120	TTI11005	15
30	10	15	24	80	flat fan	15
30	10	15	24	80	flat fan	15
30	12	20	24	120	flat fan	20
					flat fan	
30	12	20	24	120	flat fan	20
30			24		DR	
38	11	10	36	60	TTI11004	19
35	6	10	24	30	TTI11004	19
	9	15	16		TTI11004 TTI11004 TTI11003	
25		15		120		
					Unk - grower gave tips	20

37.846738	-87.835418	Planting date & Intended acres aren't available.
46.389722	-97.077222	
46.0475	-96.744167	Applications were made according to label.
46.184444	-96.973056	(grower/applicator) did purchase Engenia.
46.084167	-97.1875	
46.031111	-97.333611	Missing applicator information unavailable
46.198889	-97.2025	Missing spray information unavailable.
31.319592	-92.588653	
32.288991	-91.86405	
31.229453	-92.032573	
40.36784	-89.5781657	
39.575609	-89.890695	Tank Contamination
39.588971	-89.939017	Tank Contamination
39.591088	-89.677835	Tank Contamination
39.69941	-89.727702	Tank Contamination
39.589236	-89.613461	Tank Contamination
33.913611	-90.885	
33.747778	-90.506944	
33.602222	-90.656389	
33.602222	-90.656389	
33.035278	-90.45611	
33.047515	-90.891832	
33.685833	-90.501944	
33.702222	-90.478056	
32.794722	-91.102778	
32.785	-91.052222	
33.601667	-90.9025	
33.729167	-90.501944	
33.613889	-90.554444	
34.7997	-87.5283	

Hammond #1 Minnewaukan	Benson	ND	140	30
Hammond #2 Jamestown	Stutsman	ND	260	103
Hanson #1 Tintah	Traverse	MN	2200	1600
HS1 Oregon	Lucas		OH	25
J Nicholson #1 Logansport	Cass	IN	1500	12
J Nicholson #2 Logansport	Cass	IN	1500	120
J Nicholson #3 Logansport	Cass	IN	1500	120
J Nicholson #4 Logansport	Cass	IN	1500	30
J Nicholson #5 Logansport	Cass	IN	1500	10
J Nicholson #6 Logansport	Cass	IN	1500	10
Jeff #1 East Prairie	Mississippi	MO		1100
Jeff #10 Charleston	Mississippi	MO		850
Jeff #2 Sikeston	Scott	MO		1800
Jeff #3 Pascola	Pemiscot	MO		500
Jeff #4 East Prairie	Mississippi	MO		900
Jeff #5 East Prairie	Mississippi	MO		1200
Jeff #6 East Prairie	Mississippi	MO		1000
Jeff #7 Deering	Pemiscot	MO		3000
Jeff #8 Benton	Scott	MO		2000
Jeff #9 Portageville	New Madrid	MO		49
JF1 Fairmount	Richland	ND	69	
JF10 Milbank	Grant	SD		
JF11 Milbank	Grant	SD		
JF12 Milbank	Grant	SD		
JF13 Milbank	Grant	SD		
JF14 Florence	Codington	SD		
JF15 Lake Preston	Kingsbury	SD		
JF16 Lake Preston	Kingsbury	SD		
JF17 Lake Preston	Kingsbury	SD		
JF18 Toronto	Deuel	SD	67	80
JF19 Hendricks	Lincoln	MN	135.5	93
JF2 Milbank	Grant	SD		
JF20 Toronto	Deuel	SD	45	
JF21 Hendricks	Lincoln	MN	70	
JF22 Milbank	Grant	SD		
JF23 Watertown	Codington	SD		
JF24 Watertown	Codington	SD		
JF25 Watertown	Codington	SD		

Engenia	1-Jul-2017
Engenia	25-Jun-2017
Engenia	20-Jun-2017
ENGENIA	25-Jul-2017
Engenia	20-Jun-2017
Engenia	5-Jul-2017
Engenia	26-Jun-2017
Engenia	27-Jun-2017
Engenia	3-Jul-2017
Engenia	4-Jul-2017

Engenia	6/26/17 and 7/14/17
Engenia	8-Jul-2017
Engenia	10-Jul-2017
Engenia	29-Jun-2017
Engenia	29-Jun-2017
Engenia	26-Jun-2017
Engenia	20-Jun-2017
Engenia	20-Jun-2017
Engenia	19-Jun-2017
Engenia	3-Jul-2017
Engenia	3-Jul-2017
Engenia	3-Jul-2017
Engenia	29-Jun-2017
Engenia	16-Jun-2017
Engenia	1-Jul-2017
Engenia	16-Jun-2017
Engenia	7/4-6/17
Engenia	7/4-5/17

30 acres of soybeans with leaf puckering. Heavier in drought stress hill.

leaf cupping only in one field. Other field has leaf cupping across entire field with terminal bud damage for the 1st 50 ft.

Mild to moderate cupping of soybean leaves. Affected grower is unknown. Localized damage (shortened plants, cupping leaves, inhibited terminal bud growth) to adjacent LL soybean field. Damage is up wind from reported wind conditions by the grower who applied the Engenia.

12 acres with cupped soybean leaves.

had cupped beans, some with apical meristem.

cupped soybean leaves, apical meristem present.

30 acres of cupped soybeans.

10 acres of cupped soybeans

cupped soybeans

1,100 acres that have cupping of leaves - every plant in every field affected.

850 acres of cupped leaves - every plant in every field affected. Showing symptomology.

1,800 acres that have cupping of leaves - every plant in every field affected. Likely temp inversion-not certain where it came from or what chemical

500 acres that have cupped leaves - stunted plants - all plants showing symptoms.

900 acres of cupped leaves - every plant in every field affected.

1,200 acres that have cupped leaves - every plant in every field affected.

1,000 acres of cupped leaves - every plant in every field affected.

3,000 acres of cupped leaves - every plant in every field affected.

2,000 acres that have cupped leaves - every plant in every field affected. Slow symptomology.

49 acres that have cupped leaves - every plant in every field affected.

2 applications made. Field to north is cupped and puckered. Looks to be damage moving across most of this field with gradient from S to N.

cupped beans on field to the south and west

cupped beans

cupped beans

cupped beans to south

cupping

cupping

cupping

cupping of new leaf tissue on field to the north. North field is believed to have been was "hit" twice and therefore affected more than field to south.

cupping of new leaf tissue.

Cupped beans on 5 sides of field.

cupping of new leaf tissue.

cupping of new leaf tissue

cupping of beans

cupped beans

cupped beans

cupped beans

	Drought	
N	N/A	
	N/A	
NE	Unknown, unusal rainfall	
Unknown	Temperature Inversion	
	High winds	Drift due to high winds
	High winds	Drift due to high winds
	Temperature Inversion	
	Other - Drift(no border left)	
	Other - Drift	
	Possible temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
	Temperature inversion	
NW and SE	N/A	
S	Temperature inversion	
E	Temperature inversion	
NW	Temperature inversion	
NW	Temperature inversion	
N	Temperature inversion	
NE	N/A	
NW	N/A	
NW	N/A	
NW, SE, S	N/A	
SE	N/A	
SE	Temperature inversion	
NE	N/A	
	N/A	
W	Temperature inversion	
SW, W	Temperature inversion	
S, S	Temperature inversion	
S, S	Temperature inversion	

40	12	10	24	120	TTI11004	20
			20	132	TTI1003	20
	25	10	10	18	86 TTI11004	15
		15	30	90	TTI11004	30
		15	30	90	TTI11004	30
	15	15	30	90	TTI11004	
	12	15	30	90	TTI11004	30
	13	15	30	90	TTI11004	30
	13	15	30	90	TTI11004	30

50	13				TTI11004 - UP	
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	90		20
40	9	15	24	90	TTI11005	20
40	9	15	24	90	TTI11005	20
40	9	15	24	90	TTI11005	20
40-60	12	15	22	120	TTI11004	15
40-60	12	15	22	120	TTI11004	15
35	10	15	20	120	TTI11005	20 & 15
40-60	12	15	22	120	TTI11004	15
40-60	12	15	22	120	TTI11004	15
35	10	15	20	120	TTI11005	15
40	10	10	20	120	UR110-06	20
40	7	12	20	120	UR110-06	20
40	13	10	20	120	UR110-06	20

48.161834	-99.410345	Grower wont tell missing application info. Think he didn't keep track of.
48.029419	-99.305245	Grower wanted field looked at but wouldn't cooperate with spraying info. Stated there were too many fields and they didn't collect. Sprayer was a pull type.
40.839452	-86.413184	Grower is going to settle with neighbor after harvest. Grower said wind was calm
40.839452	-86.413184	Yield loss expected.
40.839452	-86.413184	Yield loss expected.
40.839452	-86.413184	
40.839452	-86.413184	No Border left
40.839452	-86.413184	
36.77501	-89.398409	
36.93051	-89.353241	
36.99957	-89.517586	
36.26862	-89.855958	
36.78551	-89.371995	
36.76943	-89.405767	
36.74949	-89.368286	
36.18678	-89.893845	
37.11413	-89.534959	
36.31343	-89.668166	
45.855853	-96.834192	**Data complete as of 8/28/17 by BT
45.155456	-96.565038	
45.220539	-96.573367	
45.131886	-96.564626	
45.220084	-96.555792	
45.095213	-97.343812	
45.299947	-97.333431	
44.294855	-97.319452	
44.297662	-97.29197	
45.152987	-96.673077	**Data complete as of 8/28/17 by BT
45.08031	-96.544663	
45.410626	-97.167831	
45.407211	-97.16281	
45.358132	-97.155917	

JF26 Watertown	Codington	SD		
JF27 Watertown	Codington	SD		
JF28 Watertown	Codington	SD		
JF29 Watertown	Codington	SD		
JF3 Toronto	Deuel	SD		24.5
JF30 Watertown	Codington	SD		
JF31 Ortley	Roberts	SD		
JF32 Baltaon	Lyon	MN		
JF4 Rosholt	Roberts	SD		110
JF5 Milbank	Grant	SD		
JF6 Milbank	Grant	SD		
JF7 Milbank	Grant	SD		
JF8 Milbank	Grant	SD		
JF9 Milbank	Grant	SD		
JH1 Waverly	Union	KY	30	30
Joe #1 Corydon	Henderson	KY		30
Joe #10 Morganfield	Union	KY		40
Joe #2 Corydon	Henderson	KY		150
Joe #22 Sturgis	Union	KY		20
Joe #24 Henderson	Henderson	KY		44
Joe #3 Waverly	Union	KY		150
Joe #4 Uniontown	Union	KY		57
Joe #5 Uniontown	Union	KY		5
Joe #6 Uniontown	Union	KY		244
Joe #7 Uniontown	Union	KY		75
Joe #8 Uniontown	Union	KY		55
JR1 Elwell	Gratiot	MI		15
KG1 Unknown	Unknown			40
KG10 Unknown	Unknown			
KG11 Unknown	Unknown			
KG12 Unknown	Unknown			
KG13 Unknown	Unknown			
KG14 Unknown	Unknown			
KG15 Unknown	Unknown			
KG16 Unknown	Unknown			
KG17 Unknown	Unknown			
KG18 Unknown	Unknown			
KG19 Unknown	Unknown			

Engenia	5-Jul-2017
Engenia	17-Jul-2017
Engenia	7/10-11/17
Engenia	3-Jul-2017
Engenia	3-Jul-2017
Engenia	11-Jul-2017
Engenia	
Engenia	2-Jul-2017
Engenia	20-Jun-2017
Engenia	1-Jul-2017
Engenia	2-Jul-2017
Engenia	16-Jun-2017
Engenia	29-Jun-2017
Engenia	7-Jul-2017
Engenia	20-Jun-2017
Engenia	
Engenia	
Engenia	
Engenia	
Engenia	
Engenia	15-Jun-2017
ENGENIA	5-Jul-2017
ENGENIA	23-Jun-2017
ENGENIA	21-Jun-2017
ENGENIA	26-Jun-2017
ENGENIA	22-Jun-2017
ENGENIA	5-Jul-2017
ENGENIA	
ENGENIA	
ENGENIA	21-Jun-2017
ENGENIA	21-Jun-2017
ENGENIA	21-Jun-2017

cupped beans
cupped beans - did not spray whole field, only spot sprayed
cupped beans. Sprayed north side on 7/10/17 and wind was 6mph NE. Sprayed
south side on 7/11/17 and wind was 6 mph S,
cupped beans

Cupping of new leaf tissue on research plot. Sprayed field 2 different days to get
the right wind so that drift was not a concern. Entire research plot affected except
where DT beans were planted.

cupped beans
cupped beans
cupped leaves

Looked at affected acres on west side of DT field. Entire field affected - looks like
tank contamination

Cupped beans on east side of field.
cupped beans on south side of field.
cupped beans
cupped beans
cupping of soybeans on southside of field

leaf cupping
30 acres with cupped & puckered leaves. Less vegetative growth. No retailer or
grower info available.
40 acres with cupped, puckered leaves, less vegative growth. No retailer or grower
info.
150 acres with cupped & puckered leaves. Less vegetative growth. No retailer or
grower info available.

Soybeans have cupped leaves with less vegetation & yellowing.
Top leaves of soybeans are puckered and cupped.
150 acres with cupped & puckered leaves. Less vegetative growth.
57 acres with cupping of leaves;puckered, retarded growth.
5 acres with cupping of leaves;puckered, retarded growth.
244 acres with cupping of leaves;puckered, retarded growth.
75 acres with cupping of leaves;puckered, retarded growth.
55 acres with cupping of leaves;puckered, retarded growth.
Damage consistent with an auxin based chemistry. Most damage occurred in areas
of water run off after heavy rains. **Data Complete as of 8/4/17 by BT
cupping
cupping in field over county blacktop. 1/2 through downwind field

cupping leaves

cupping leaves on ends rows of field to west
cupping in field to west and south - 400 ft into south field

cupping in field to east. Show diagonal following NE wind.
cupping
cupping and stacking field on northside of Xtend SB field. 80 acres into 160 acre
field.
cupping in field on west side of xtend field
cupping and terminal buds inhibited on field to north side of xtend field
cupping and stacking in field across valley. Entire 160 acre field cupped

cupped beans			15
cupped beans			10
cupped beans			6, 6
cupped beans		300	8
cuppped leaves		120	10
cupped beans			11
cupped beans		300	9
cupped leaves			7
cupping and puckering of leaves across the whole field with west side showing sprayer pattern as he enters his own field.			
cupped beans			13
cupped beans			11
cupped beans			3
cupped beans			5
cupped beans			11
leaf cupping	70	70	3
Leaf Cupping, Puckered, less veg. growth	200		
Cupped, puckered leaves, less vegetative growth	100	100	
Leaf Cupping, Puckered, less veg. growth	0	0	
Puckered leaves, less vegetative growth and yellowing		160	
Puckered & cupped leaves	5280	110	
Leaf Cupping, Puckered, less veg. growth	0	0	
Cupping of leaves;puckered, retarded growth			
Cupping of leaves;puckered, retarded growth			
Cupping of leaves;puckered, retarded growth	110		
Cupping of leaves;puckered, retarded growth			
Cupping of leaves;puckered, retarded growth			
cuppping and wrinkling of leaves	0	-	5-6
cupping	110	0	7 -10
cupping	1/4 mile		10-15
cupping		0	10-15 with gusts
cupping	End rows of field to west		5-8
cupping			5- 10
cupping	500 ft	Yes	15-20 with gust
cupping and stacking	80 acres into 160 acre field		
cupping	500 ft	120	5- 10
cupping and inhibited terminal bud	1000 ft	180	5-10
cupping and stacking	5000 ft	500	5-10, gust up to 15

S	Temperature inversion
S	Temperature inversion

NE, S	Temperature inversion
SE	Temperature inversion

SE	N/A
S	Temperature inversion
NE, S	Temperature inversion
NE	

SW	Temperature inversion
NE	Temperature inversion
SE	Temperature inversion
NE	Temperature inversion
NW	Temperature inversion

SW	Drought
----	---------

Possible temperature inversion

SW	Unusual Rainfall	Flood (over 8" in 48 hours)
NW		
E		

S

N/NW	
N	.11" Rain

SW

SE
SE

SE

40	13	10	20	120	UR110-06	20
40	13	10	20	120	UR110-06	20
40	13	10	20	120	UR110-06	20
40	13	10	20	120	UR110-06	20
40-60	12	15	22	120	TTI11004	15
40	13	10	20	120	UR110-06	20
40	13	10	20	120	UR110-06	20
50	10	12	32	120	TTI11003	20
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
35	10	15	20	120	TTI11005	15
40	12	15	24	90	TTI11005	20
52-55	10.5	11-12	28	120	TTI1104	20
52-55	10.5	12	28	120	TT1104	20
60	10	10	24	100	TTI1104	15
	40		13		TTI 11005	
	40		12		TTI 11004	
	45		14		TTI 11005	
	45		14		TTI 11005	
	45-50		14		TTI 11005	
	45-50		14		TTI 11004	
	45-50		14		TTI 11004	
	45		14		TTI 11005	

45.394203 -97.154332
45.102707 -97.35916

45.096489 -96.991521
45.332245 -97.152264

Came back on 7/8/17 from 11:30 -
11:40 AM to pick up buffer strips after
wind switched to straight W @ 3.

45.066097 -97.013702
45.33154 -97.139807

45.921315 -96.742488
45.260248 -96.519848
45.152485 -96.512528
45.152126 -96.608836
45.160139 -96
45.152567 -96.524103

**This claim is unable to be entered
because I am unable to find the
grower and do not have an address
for him to add him as a temp grower.

37.9224 -86.1557

37.67472 -87.712222

Sprayer info not available.

37.752777 -87.940555

37.860555 -87.81777

Sprayer info not available.

37.507908 -87.93365
37.755863 -87.604079
37.746111 -87.963888
37.73166 -87.895
37.680277 -87.89611
37.72666 -87.96722
37.768333 -87.96694
37.739167 -87.904444

43.5687 -84.661173

KG2 Unknown	Unknown	
KG20 Unknown	Unknown	
KG21 Unknown	Unknown	
KG22 Unknown	Unknown	
KG23 Unknown	Unknown	
KG24 Unknown	Unknown	
KG25 Unknown	Unknown	
KG26 Unknown	Unknown	
KG27 Unknown	Unknown	
KG28 Unknown	Unknown	60
KG29 Unknown	Unknown	20
KG3 Unknown	Unknown	
KG30 Unknown	Unknown	30
KG31 Unknown	Unknown	
KG32 Unknown	Unknown	
KG33 Unknown	Unknown	
KG34 Unknown	Unknown	
KG35 Unknown	Unknown	10
KG36 Unknown	Unknown	
KG37 Unknown	Unknown	
KG38 Unknown	Unknown	40
KG39 Unknown	Unknown	
KG4 Unknown	Unknown	
KG40 Unknown	Unknown	
KG41 Unknown	Unknown	
KG42 Unknown	Unknown	
KG43 Unknown	Unknown	
KG44 Unknown	Unknown	
KG45 Unknown	Unknown	
KG46 Unknown	Unknown	
KG47 Unknown	Unknown	
KG48 Unknown	Unknown	
KG49 Unknown	Unknown	
KG5 Unknown	Unknown	
KG50 Unknown	Unknown	
KG51 Unknown	Unknown	
KG52 Unknown	Unknown	
KG53 Unknown	Unknown	
KG54 Unknown	Unknown	
KG55 Unknown	Unknown	

ENGENIA	
ENGENIA	27-Jun-2017
ENGENIA	19-Jun-2017
ENGENIA	
ENGENIA	20-Jun-2017
ENGENIA	20-Jun-2017
ENGENIA	6-Jul-2017
ENGENIA	1-Jul-2017
ENGENIA	7-Jul-2017
ENGENIA	19-Jun-2017
ENGENIA	13-Jun-2017
ENGENIA	
ENGENIA	19-Jun-2017
ENGENIA	27-Jun-2017
ENGENIA	24-Jun-2017
ENGENIA	
ENGENIA	17-Jun-2017
ENGENIA	24-Jun-2017
ENGENIA	24-Jun-2017
ENGENIA	24-Jun-2017
ENGENIA	24-Jun-2017
ENGENIA	29-Jun-2017
ENGENIA	5-Jul-2017
ENGENIA	19-Jun-2017
ENGENIA	1-Jul-2017
ENGENIA	17-Jun-2017
ENGENIA	
ENGENIA	
ENGENIA	
ENGENIA	11-Jul-2017
ENGENIA	
ENGENIA	26-Jun-2017
ENGENIA	7-Jul-2017
ENGENIA	11-Jul-2017
ENGENIA	20-Jun-2017
ENGENIA	3-Jul-2017
ENGENIA	6-Jul-2017
ENGENIA	
ENGENIA	
ENGENIA	
ENGENIA	3-Jul-2017

cupping
field to the north mostly cupped
cupping in field to east of xtend field.

cupping in field to south of xtend field.

cupping in field to south of xtend field.

cupping in field to southeast of xtend field.
cupping in field to the north of xtend field. 80 acre field is cupped.

cupping, stacking, and inhibited terminal buds on closest corner of field to NE.

cupping in field to west of xtend soybeans

cupping in 60 acre soybean field.
cupping and stacking in a 20 acres of a 40 acre field to east of Xtend.

cupping
cupping in 30 acres of affected surrounding field.
cupping
cupping
cupping
cupping
cupping in half of a 20 acre field to the west of xtend field.
cupping
cupping

cupping in 40 acre field to the north of Xtend beans
cupping in 2 non-DT fields to the east of Xtend field
cupping
cupping
cupping and stacking near 2 dicamba fields - potential tank contamination?

cupping and stacking

cupping, stacking, and inhibited terminal bud. rainfall pattern evident in low lying areas.

cupping in neighboring field tucked behind a corn field.

cupping in low lying areas in neighboring field to the east.

cupping

cupping in field to the west, low lying areas following water runoff
cupping and stacking in field to south. Stunting in end rows.
cupping

cupping. Hit 2x by Dicamba

cupping

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping, node stacking, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

cupping		180	5
cupping		120	10
cupping	200 ft		5-10 mph, gust up to
cupping	200 ft	120	15
cupping	200 ft	120	10, gust up to 15
cupping	500 ft	0	10, gust up to 15
cupping	80 acre field cupped	0	8
cupping, stacking, and inhibited buds	500 ft into 40 acre field	0	
cupping	200 ft	0	15-20 with gust
cupping	Entire 60 acre field		15-20 with gust
cupping and stacking	1/4 mile		
cupping	200	0	8
cupping	300 ft	0	10-15
cupping	120 ft	0	10-15
cupping			
cupping			5-8
cupping	120 ft	120	8-12
cupping	10 acres	120	8-12
cupping	120 ft	120	8-12
cupping	110 ft		
cupping	40 acre field		5-10
cupping		0	10-15
cupping	400	0	8
cupping		0	8
cupping and stacking	200ft	0	8
cupping and stacking	200 ft	yes	15-20 mph with gusts
cupping, stacking, and inhibited terminal bud			
cupping	200	0	10 mph, gusts to 24
cupping	400	0	5-10, gust up to 15
cupping		0	10-15 with gusts
cupping	400	0	8
cupping and stacking	1/4 mile	0	5-10
cupping	1000		
cupping	20 acres of 40 acre field		
cupping	8 acres	0	10

SW
W

N

N

SW
NW

NW

NW

SE
?
W
SW
NW

SW
NW
W
W
W
NW
SW
W
NW
West

.24" Rain

South

N 1.5" Rain on 6/28

NW

S

NNW
N (history
says E) .36" Rain after application
S

E

45	14	TTI 11005
45	14	TTI 11005
45	14	TTI 11005
45	14	TTI 11005
45	18	TTI 11005
45	18	TTI 11005
45	18	TTI 11005
50	15	TTI 11005
		?
40	12	TTI 11004
45-50	14	TTI 11004
40	16	TTI 11004
40	15	
40	16	TTI 11005
40	16	TTI 11005
40	16	TTI 11005
45	18	TTI 11005
40	10	TTI 11004
45	18	TTI 11005
	12	TTI 11004
	12	TTI 11004
	12	ULD 12004
	15	TTI 11005
40	13	TTI 11005
	12	TTI 11005
		TTI 11004
		TTI 11003
45	15	TTI 11004

KG6 Unknown	Unknown		
KG7 Unknown	Unknown		
KG8 Unknown	Unknown		
KG9 Unknown			
Kordes #25 Clay	Webster	KY	
Kordes #26 Cairo	Henderson	KY	
Kordes #27 Falmouth	Pendelton	KY	
Lague #1 Ridgely	Lake	TN	80
Lague #10 Trimble	Obion	TN	21
Lague #11 Obion	Obion	TN	80
Lague #12 Ridgely	Lake	TN	510
Lague #13 Tiptonville	Lake	TN	675
Lague #14 Tiptonville	Lake	TN	630
Lague #15 Ridgely	Lake	TN	270
Lague #18 Ridgely	Lake	TN	880
Lague #2 Ridgely	Lake	TN	132
Lague #3 Ridgely	Lake	TN	195
Lague #4 Hickman	Fulton	KY	135
Lague #5 Bogota	Dyer	TN	80
Lague #8 Ridgely	Lake	TN	85
Lague #9 Trimble	Obion	TN	125
Lague#16 Ridgely	Lake	TN	138
Lague#17 Ridgely	Lake	TN	77
Lague#19 Ridgely	Lake	TN	120
Lague#20 Covington	Tipton	TN	460
Lague#21 Covington	Tipton	TN	165
Lague#22 Covington	Tipton	TN	240
Lague#23 Covington	Tipton	TN	50

ENGENIA	18-Jun-2017
ENGENIA	5-Jul-2017

ENGENIA	18-Jun-2017
ENGENIA	18-Jun-2017
Engenia	
Engenia	
Engenia	15-Jul-2017

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

diagonal across neighboring field. Plot showed cupping in non-DT vs DT beans cupping in lower bowl of neighboring field.

Half of field to the north shows minor cupping, stacking, and inhibited bud
minor cupping in neighboring headland

45 acres of soybeans with cupped leaves, some yellowing and puckering.

150 acres of soybeans with cupped leaves & less vegetation. Needed rain.

2 acres of soybeans with cupping & puckering of leaves. Some are chlorotic.

80 acres that was hit solid across open field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

21 acres with slight cupping across fields in spots - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

80 acres with symptomology as follows. One Trifoliate - V4(affected, looks as if 2-4-D drift), V-5 & V-6 are not affected(already unaffected). No retailer or grower info available. No idea where it came from.

510 acres that have cupping across entire field - Not as noticeable in cover crop.

Worse in open area - Hit with a good dose - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

675 acres that have cupping across entire open terrain field - Just slightly hit, minimal cupping - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

630 acres that have tightly cupped across field evenly. Hit pretty hard, solid & consistent cupping. Had 2-3 sets of trifoliates affected showing - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

270 acres of soybeans that have cupped leaves across fields. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

880 acres with cupping across entire farm. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

132 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

195 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

135 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

80 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

85 acres with very slight cupping across open terrain field(Hard to even see). No retailer or grower info available. No idea where it came from.

125 acres that have tightly cupped leaves across field evenly - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

138 acres of soybeans that have cupped leaves across fields. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

77 acres of soybeans that have cupped leaves across fields. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

120 acres with cupping across entire farm. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

460 acres of soybeans that have been hit twice. About to grow out of it. Cupping across entire farm. Wide open terrain. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

165 acres of soybeans that have been hit twice. About to grow out of it. Cupping across entire farm. Wide open terrain. Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.

240 acres of soybeans that have been hit twice. About to grow out of it. Cupping across entire field. Terminals not inhibited. No retailer or grower info available. No idea where it came from.

50 acres of soybeans that have been hit twice. About to grow out of it. Cupping across entire field. Terminals not inhibited.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, node stacking, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping

cupping	1/4 mile	0	
cupping	1/4 mile	0	10-12 15 mph, gust up to 20
cupping, stacking, and inhibited buds	500 ft	0	
cupping	50 ft	Yes	0-5
Curled leaves			
Cupped leaves, less vegetative growth			
Cupped and puckered leaves	40	40	
Cupping of leaves (V7)			
Slight cupping across field in spots (V8)			
Striated V-4 trifoliate across field (V6)			
Cuping across entire field (V5)			
Cupping across entire fields (V6)			
Tightly Cupped across field evenly (V6)			
Cupped soybean leaves			
Cupped soybean leaves			
Cupping of leaves (V6)			
Cupping of leaves (V4)			
Uniform cupping of leaves (V5)			
Cupping across entire field (V5)			
Slight cupping across field (V7)			
Tightly Cupped across field evenly (V7)			
Cupped soybean leaves			
Cupped soybean leaves			
Cupped soybean leaves			
Cupped soybean leaves			
Cupped soybean leaves			
Cupped soybean leaves			
Cupped soybean leaves			

S

NNW

.14" Rain

NNW

Temperature Inversion

Drift

Drift

	40		15		TTI 11005	
	45		12		TTI 11004	
50	10	15	24	100	TTI11005	15
20	8	15	24	90	HP ULD 1204	15

37.759722	-88.03	
37.710278	-87.763056	
37.214167	-88.949444	
36.2534	-89.4778	Source Unknown
36.2088	-89.3614	Source Unknown
36.2781	-89.1265	Source Unknown
36.2682	-89.4422	Source Unknown
36.3949	-89.4043	Source Unknown
36.4443	-89.4975	Source Unknown
36.503085	-89.385426	Source Unknown
36.2062	-89.445	Source Unknown
36.2279	-89.506	Source Unknown
36.2797	-89.4923	Source Unknown
36.5232	-89.3793	Farms in KY & TN - Source Unknown
36.5126	-89.3842	Farms in KY & TN - Source Unknown
36.2272	-89.4415	Source Unknown
36.2102	-89.286	Source Unknown
36.521209	-89.380231	Source Unknown
36.5126	-89.3842	Source Unknown
35.533	-89.173	Source Unknown
35.7034	-89.7451	Source Unknown
35.7061	-89.7647	Source Unknown
35.7073	-89.7753	Source Unknown
35.7367	-89.71	Source Unknown

Lague#24 Ripley	Lauderdale	TN		250
Lague#25 Ripley	Lauderdale	TN		255
Lague#6 Ridgely	Dyer	TN		55
Lague#7 Bogota	Dyer	TN		300
Meier #1 Watson	Desha	AR	465	80
Meier #2 McGehee	Desha	AR	80	80
Meier #3 McGehee	Desha	AR	120	100
Meier #4 Pharr Farms	Drew	AR	38	50
Meier #5 Watson	Desha	AR	45	100
Meyers #1 Milo	Warren	IA		112
Meyers #2 Milo	Warren	IA		91
Meyers #3 Hamburg	Freemont	IA		80
Meyers #4 Bloomfield	Davis	IA		120
Miatke #1 Frankton	Madison	IN	60	8
Miatke #2 Pittsborro	Hendricks	IN		10
Miatke #3 Danville	Vermillion	IL		400
Miatke #4 Danville	Vermillion	IL		400
Miatke #5 Clayton	Hendricks	IN		120
Mike/Kim#1 Neelyville	Butler	MO		160
Mike/Kim#10 Bragg City	Pemiscot	MO		300
Mike/Kim#11 Pascola	Pemiscot	MO		450
Mike/Kim#12 Kennett	Dunklin	MO		1000
Mike/Kim#13 Quilin	Butler	MO		60
Mike/Kim#14 Quilin	Butler	MO		80
Mike/Kim#15 Quilin	Butler	MO		80

Dicamba

Dicamba

Engenia	6-Jul-2017
Engenia	4-Jul-2017
Engenia	19-Jun-2017
Engenia	21-Jun-2017

Engenia	24-May-2017
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Engenia	22-Jun-2017
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Status	10-Jun-2017
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Status	10-Jun-2017
Engenia	

Engenia

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

250 acres of soybeans that have been hit twice. About to grow out of it. Cupping across entire field. Terminals not inhibited.
70 & 85 acre field that has been hit twice. Total of 255 acres. Cupping across entire field. Terminal not inhibited.
55 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.
300 acres with cupping across entire open terrain field - Terminal Not Inhibited. No retailer or grower info available. No idea where it came from.
Leaf cupping associated with Dicamba drift. No Symptomology in plant terminals. Arkansas State Plant Board was notified & investigated prior to my visit so I didn't talk to applicator.
Leaf cupping associated with Dicamba. Pattern across field conclusive to physical drift. Applicator didn't observe buffer zones required. Unable to follow up with applicator.
Leaf cupping associated with Dicamba. Application was made to neighboring field. Grower & Applicator responsible, no records given but admitted to dicamba use. Didn't follow buffer as said

Leaf symptomology associated with dicamba. Off target movement from application in neighboring field. Noticed 4 weeks before I was called. New growth not showing symptomology. Symptomology still noticeable in lower canopy.
Leaf cupping associated with dicamba drift. Had already been investigated by Arkansas plant board. I investigated as a courtesy to the grower to assess crop symptomology as requested.
There is 38 acres of soybeans with cupped leaves.
There is 42 acres of soybeans with cupped leaves.
There are 80 acres with cupped soybean leaves.
There are 120 acres of cupped soybean leaves.
There were 8 acres of soybeans with cupped leaves(upper most trifoliate).
Speckles present on leaves. Grower who received damage not available.
Cupped leaves where water and soil ran from one DT soybean field to a RR Soybean field. Both fields belong to the grower/applicator.
400 acres that are cupped and puckered with strapping of soybean leaves.
Soybean plant size and number of pods is the same between the affected area vs. non affected area of field. Dicamba was not the issue.

Farm has leaf cupping & strapping on affected soybeans. Dicamba not the issue.
120 acres of soybeans with cupped leaves present at top trifoliate.
No issues, only 4 days after spraying Dicamba. Just wanted someone to look at neighbors fields after he sprayed nearby. Too soon to see any damage. Looked at 105 acres of while there & it had dicamba symptomology.

120 acres of LL Soybeans with cupped soybean leaves over entire field. Unknown source.

450 acres of LL Soybeans with cupped leaves and dicamba symptomology. Unknown source.

1000 acres of LL soybeans with Dicamba symptomology. Unknown source.

60 acres of Non DT Soybeans with cupped leaves. Dicamba symptomology. Unknown source.

80 acres of soybeans with cupped leaves. Dicamba symptomology. Unknown source.

80 acres of LL soybeans with cupped leaves. Dicamba symptomology. Unknown source.

Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping

Cupped soybean leaves

Cupped soybean leaves

Cupping across entire field (V5)

Cupping across entire field (V5)

Leaf Cupping

Leaf Cupping	50	N/A	N/A
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Leaf Cupping

Leaf symptomology associated with dicamba.

Leaf cupping associated with dicamba drift.

Cupping of soybean leaves.	15	0	10
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Cupping of soybean leaves.	40	0	8
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Cupping of soybean leaves.	150	100	10
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Cupping of soybean leaves.	300	100	10
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Leaves cupped with speckles present.	400	0	
--------------------------------------	-----	---	--

Leaves cupped	60	120	N/A
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Cupped, puckered leaves. Soybean leaves have strapping	100	0	10-18
--	-----	---	-------

Cupped & strapped soybean leaves.	100	0	10-18
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Cupped leaves		0	N/A
---------------	--	---	-----

No symptoms. Too early.

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves	150	0	
---------------	-----	---	--

Cupped leaves	100	0	
---------------	-----	---	--

Cupped leaves	50	0	
---------------	----	---	--

SE/S

Application records not
available. Applicator
unavailable.

W	N/A
SE	N/A
N	Temperature Inversion
SW	Temperature Inversion

E	N/A
---	-----

N/A	Unusual Rainfall
-----	------------------

SW	N/A
----	-----

SW	N/A Drift
----	--------------

Temperature Inversion

Temperature Inversion

Temperature Inversion

NW	Temperature Inversion	Drift
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W	Drift
---	-------

W	Drift
---	-------

40	11	15	20	90	TTI11004	15
40	11	15	20	90	TTI11004	15
20	10	15	20	120	TTI11004	20
24	10	15	20	120	TTI11004	20

35.75168	-89.69835	Source Unknown
35.7207	-89.777	Source Unknown
36.163	-89.4228	Source Unknown
36.2398	-89.5061	Source Unknown
33.90918	-91.231017	
33.35581	-91.501769	
33.62145	-91.31105	Irritable - No follow up
34.12375		
33.654486	-91.299364	
40.928893	-93.520999	
40.943058	-93.502351	
40.597046	-95.693313	
40.729077	-92.777619	
See Comments	See Comments	BR doesn't have Lat & Long. Post spray they got 9 inches of rain in two days.
39.875714	-86.505172	
40.237	-87.23	Sent in by David for John Dulin
40.257	-87.234	Sent in by David for John Dulin
39.597222	-86.51	No more information available. Not able to give very much information, BR only told him to get certain information.
36.56153	-90.507959	Not able to give very much information, BR only told him to get certain information.
36.226655	-89.878789	Not able to give very much information, BR only told him to get certain information.
36.254973	-89.826332	Not able to give very much information, BR only told him to get certain information.
36.181638	-89.964372	Not able to give very much information, BR only told him to get certain information.
36.59194	-90.252459	Not able to give very much information, BR only told him to get certain information.
36.592186	-90.227964	Not able to give very much information, BR only told him to get certain information.
36.573766	-90.239952	Not able to give very much information, BR only told him to get certain information.

Mike/Kim#16 Gbler	Pemiscot	MO		82
Mike/Kim#17 Quilin	Butler	MO		1200
Mike/Kim#18 Quilin	Butler	MO		200
Mike/Kim#19 Bernie	Stoddard	MO		70
Mike/Kim#2 Chaffee	Scott	MO		800
Mike/Kim#20 Bragg City	Pemiscot	MO		600
Mike/Kim#21 Kennett	Dunklin	MO		160
Mike/Kim#22 Gbler	Pemiscot	MO		160
Mike/Kim#23 Hayti	Pemiscot	MO		40
Mike/Kim#24 Bragg City	Pemiscot	MO		120
Mike/Kim#25 Hayti	Pemiscot	MO		900
Mike/Kim#3 Chaffee	Scott	MO		85
Mike/Kim#4 Jackson	Cape Giradeau	MO	95	70
Mike/Kim#5 Sikeston	Scott	MO		160
Mike/Kim#6 Popular Bluff	Butler	MO		105
Mike/Kim#7 Chaffee	Scott	MO		850
Mike/Kim#8 Steel	Pemiscot	MO		150
Mike/Kim#9 Hayti	Pemiscot	MO		1500

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

Engenia

Dicamba

Dicamba

Dicamba

Dicamba

Dicamba

82 acres of RR soybeans with cupped leaves. Dicamba symptomology. Unknown source.

1200 acres of LL soybeans in 6 different fields with cupped leaves. Dicamba symptomology. Unknown source.

200 acres of Non DT Soybeans with cupped leaves. Dicamba symptomology. Unknown source.

Applicator wanted to know if himself or another neighbor had drifted onto affected 70 acres of LL soybeans with cupped leaves. Told him I couldn't determine what direction the wind was coming from.

800 acres of cupped soybean leaves. Dicamba symptomology. Unknown source.

600 acres of LL soybeans with dicamba symptomology. Cupped leaves. Source Unknown.

160 acres of LL Soybeans with cupped leaves. Dicamba symptoms. Source unknown.

160 acres of LL Soybeans with cupped leaves over entire field. Dicamba symptomology. Unknown source.

40 acres of LL Soybeans with cupped leaves over entire field. Dicamba symptomology. Unknown source.

120 acres of LL Soybeans with cupped soybean leaves over entire field. Unknown source.

900 acres of LL Soybeans with cupped leaves. Dicamba symptomology. Source unknown

85 acres of cupped soybean leaves. Dicamba symptomology. Unknown source.

95 acres with Engenia. Wondered if he had drifted onto his neighbors. Looked at two 15 acre fields & a 40 acre field but didn't see any symptomology. Grower sprayed his field & another neighbor sprayed his field also. The result was that a 3rd neighbor received damage. Grower wanted to know if it was him or the neighbor who caused damage to 3rd neighbor. There were 160 acres with dicamba symptomology but I couldn't tell him which direction the wind was coming from to determine that. There was damage to entire field.

60 acres & an unknown grower has 45 acres of soybeans with cupped soybean leaves. Dicamba symptomology. Unknown source. Grower has three RR soybean fields(120,80 & 300) & 350 acres of LL soybeans with cupped leaves. Total of 850 acres. Dicamba symptomology. Unknown source. The 80 acre RR bean field looks like drift from the SE. This field had the worst damage, no buffer used.

150 acres of conventional soybeans with dicamba symptomology. Unknown source

750 acres of LL soybeans & 750 acres of Non DT Soybeans with cupped leaves. Covers entire 1500 acres. Unknown source.

Soybeans (RR)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	not dicamba
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

No symptomology of dicamba.

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Cupped leaves

Temperature Inversion

Temperature Inversion Drift

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion

Temperature Inversion on 770
acres of LL & RR Soybeans Drift from SE on 80 acres of RR beans

Temperature Inversion

Temperature Inversion

MT1 Seymour	Jackson	IN			
NF1 Plains	Yoakum	TX			50
NF2 Ackerly	Martin	TX			
Ralph #1 Autin	Mower	MN			113
Ralph #2 Allison	Butler	IA	189		
Ralph #3 Bristow	Butler	IA	89		
RB1 Arlington	Sibley	MN			120
RB2 Hector	Renville	MN			
RB3 Hector	Renville	MN			80
RM1 Kenneth	Rock	MN			80
RM10 Deuel	Toronto		SD	65	
RM11 Deuel	Toronto		SD	80	
RM12 Roberts	Wilmot		SD	30	
RM13 Roberts	Wilmot		SD	60	
RM15 Nobles	Brewster		MN	150	
RM17 Pipestone	Pipestone		MN	40	
RM2 Lake Benton	Lincoln	MN			90
RM22 Roberts	Wilmot		SD	170	
RM23 Yellow Medicine	Canby		MN	200	
RM24 Yellow Medicine	Canby		MN		
RM25 Renville	Sacred Heart		MN	320	
RM27 Pipestone	Woodstock		MN		20-30
RM29 Nobles	Reading		MN	120	
RM3 Chippewa	Montevideo	MN		300	

Unknown

Flextar 3-Jul-2017
Engenia 5-Jul-2017

Engenia 27-Jun-2017

Engenia

Engenia 20-Jun-2017

Engenia 16-Jun-2017

Engenia 20-Jun-2017

ENGENIA 3-Jul-2017

ENGENIA 21-Jun-2017

ENGENIA 22-Jun-2017

ENGENIA 22-Jun-2017

ENGENIA 24-Jun-2017

Engenia 12-Jun-2017
ENGENIA 26-Jun-2017

ENGENIA 6-Jun-2017

ENGENIA 6-Jun-2017

ENGENIA 1-Jul-2017
ENGENIA 30-Jun-2017

ENGENIA 7-Jul-2017
Engenia 13-Jul-2017

Unknown where the drift came from. Could have been from chemical application to corn field or soybean field. Severe uniform cupping across entire field with pockets of terminal death associated with synthetic auxins

Grower has own circle of non-DT cotton that show some symptomology of hormone intrusion. No info on whether anyone has applied Dicamba.

Neighbor claims to have treated field with Engenia, but it moved 200' - 300' across the road into Enns Cotton. Probably Banvel or Clarity Generic

Field exhibits dicamba symptomology in 113 acres out of 187 after spraying Flexstar 3 days prior. Symptomology seems to have come from first 3 of 5 sprayer tank loads sprayed. Appears to be tank contamination.

20 out of 35 acres of soybeans with cupped leaves. Trifoliates look good.

Three growers with 30, 25 and 18 acs all have cupped soybean leaves that are varied in severity.

Grower will not provide specific application date/time**Data complete as of 8/1/17 by BT

Soybean cupping in Liberty field south of Xtend field**Data complete as of 8/1/17 by BT

cupped soybeans most of neighboring 80 A of Liberty beans**Data complete as of 8/1/17 by BT

Some cupping of soybeans. Inversion of product is probably cause of movement. Temp. Inversion as product moved to SW corner of soybeans. Some sprayer crop damage on effected field.

cupping soybeans

cupped soybeans

cupped soybean leaves

cupped soybeans

Disclaimed after checking records - Extend Mas was applied.

cupped leaves

Cupped soybeans west side of field - cupping ran out 400-500 yards. Neighbor drifted onto the field

cupped soybeans

cupped soybeans

off target movement. cupped soybeans

off target movement. cupped soybeans. Used hooded bander

cupped soybeans to the south 200-300 yards

Grower sprayed Engenia on waterways that were right next to non-extend soybeans - disclaim.

cupped soybeans

uniform cupping across entire field with pockets of terminal damage	120	110	5-10
some leaf diffusion - should grow out of it in 2-3 weeks			
some leaf symptoms of dicamba intrusion			
Leaves cupped	N/A	N/A	N/A
Cupped leaves, trifoliates look good		0	10
Cupped leaves	1000	0	5
cupping in low areas, terminal bud inhibition on edges			
cupping, gradually improving as you go SW	140+	140	12
cupping	0	0	Calm
cupping	70	70	6
cupped soybeans	120	120	9
cupped soybeans	120	120	5
cupped soybeans	120	120	7
cupped soybeans	120	120	8
cupped leaves	100	100	17
cupping of soybeans	200	200	12-15
cupped leaves			6
cupped leaves	120	120	6
cupped leaves	120	120	7
cupped leaves	120	120	6
cupped leaves	10	10	16
cupped leaves	150	150	7

NE	N/A
----	-----

N/A	N/A
S	N/A

SW	N/A
----	-----

N/NW	
------	--

	NW of Fairfax, MN
--	-------------------

N	Temperature Inversion
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SE	Temperature inversion
----	-----------------------

NW	Temperature inversion
----	-----------------------

SW	Temperature inversion
----	-----------------------

SW	Temperature inversion
----	-----------------------

N	Temperature inversion	Too Windy to Spray
---	-----------------------	--------------------

NE	Gusty Wind
E	Temperature inversion

SE	Temperature inversion
----	-----------------------

SE	Temperature inversion
----	-----------------------

	Temperature inversion
S	Windy on Date of application

NW	Temperature inversion
----	-----------------------

50	9	15	20	100	AIXR11004	20
30	12	14	24	120	TTI11004	20
50	10	15	24	120	Tee Jet 8005A1	20
50	10	15	24	120	Tee Jet 8005A1	20
45	12	12	24	132	TTI05	20
45	12	12	24	132	TTI05	20
45	6	16	24	90	AIP Tee Jet 0025 US Course	20
	46	8	12	24	90 TTI11005	20
	46	6	10	24	90 TTI11005	20
	46	7	14	24	90 TTI11005	20
	46	8	14	24	90 TTI11005	20
	44	9	11	26	90 TTI11005	20
45	6	15	24	90	TTI05	20
	44	7	12	26	90 TTI11005	20
	50	6	16	24	90 UR110-10	20
	50	7	13	24	90 UR110-10	20
	40	7	12	24	60 UR110-10	20
	50	8	16	24	90 TTI11004	20
30	6.5	16	24	90	TTI11005	20

38.862012 -86.077602 **Data complete as of 8/28/17 by BT

32.34417 -101.40511

43.1438445 -95.7036451 Tank Contamination
42.791667 -92.834167

42.805 -92.85722

Rock County, Rock County,
Cianta Cianta Twnship,
Twnship, Sec. Sec. 10 SW
9 SE Corner.
Deuel County -
Section 35 -
SW Quarter
Deuel County -
Section 20 -
NW Quarter
Lee Township -
Goodharts NE
Qt - Robert's
Co.
Roberts Co -
String Grove
#13 Township -
1/4 North

44.215 -95.3047
Florida
Township -
Lincoln Co. NE
Qt.
Lincoln Co -
Section 5 -
Florida
Township
Wayne
Township - 33-
34 Erickson
Township - 27
43.5214 -95.5751

RM30 Rock	Luverne	MN	40	
RM36 Canby	Yellow Medicine	MN	131	
RM9 Deuel	Toronto	SD	70	
Robert #1 Hurdsfield	Wells	ND	446	60
Rodgers #1 Halls	Lauderdale	TN		80
Rodgers #2 Covington	Tipton	TN		40
Rodgers #3 Tiptonville	Lake	TN		150
Rodgers #4 Dyersburg	Dyer	TN		400
Rodgers #5 Dyersburg	Dyer	TN		
Rodgers #6 Halls	Lauderdale	TN		120
Rodgers #7 Dresden	Weakley	TN		50
Rodgers #8 Eddyville/Marion	Lyon	KY		40
Rodney #1 Watuga	Knox	IL	80	10
RT1 Mission Hill	Yankton	SD	130	
Ruscoe #1 Barton	Phillips	AR		250
Ruscoe #10 Oakland	Yalobusha	MS		50
Ruscoe #11 Helena	Phillips	AR		450
Ruscoe #12 Snowflake	Navajo	AR		40
Ruscoe #13 Snowflake	Navajo	AR		90
Ruscoe #14 Greenwood	Leflore	MS		10
Ruscoe #2 Clarksdale	Coahoma	MS		30
Ruscoe #3 Poplar Grove	Phillips	AR		10
Ruscoe #4 Charleston	Tallahatchie	MS		
Ruscoe #5 Marks	Quitman	MS		
Ruscoe #6 Dundee	Tunica	MS		80
Ruscoe #7 Dundee	Tunica	MS		40
Ruscoe #8 Dundee	Tunica	MS		40
Ruscoe #9 Crowder	Panola	MS		40
Schmidt#1 Sioux Rapids	Buena Vista	IA		25

ENGENIA	10-Jul-2017
ENGENIA	1-Jul-2017

ENGENIA	29-Jun-2017
Engenia	19-Jun-2017

Engenia

Engenia See comments

Engenia

ENGENIA	6-Jul-2017
Engenia	21-Jun-2017

Engenia

Engenia
Engenia

Engenia

Engenia

Engenia

Engenia

Engenia	18-May-2017
Engenia	24-Jun-2017

cupped soybeans
cupped soybean leaves

cupped soybeans

60 acres affected. Grower to S had RR2 beans. After investigating, determined it was a drift issue without doubt. Growers are going to settle it.

80 acres of soybeans that the grower believes were damaged. It was too early and it can't be determined.

40 acres of soybeans with cupped leaves. The field was north of DT soybeans that had Engenia applied.

150 plus acres of soybeans that have cupped leaves. There were two possible sources one reported that the wind was blowing toward the affected field when he applied Engenia and no buffer was used.

400 acres of soybeans with cupped leaves.

farm had some Liberty Link soybeans with damage. I viewed field and found slight cupping of the soybean leaves.

Soybeans on the farm were cupped, but the source is unknown. Alleged to have crossed South Fork River

Grower called explaining cupping of soybeans in field. Alleges the farms west.

Claims they applied Engenia and wind was out of east the day it was applied.

Grower contacted me stating that he had cupping and stunting of his soybeans. He blames neight for off label application of Engenia. Soybeans showed symptomology of 2-4D at stage V5 & V6.

10 acres out of 135 that had slight cupping on new trifoliates.

Grower sprayed his own beans. Off-target on across the road to the east.

Cupped beans

Dicamba symptoms on Non DT Soybeans

50 acres of soybeans with cupped leaves. He applied gramoxone and replanted.

There were 450 acres of soybeans with cupped leaves.

40 acres of soybeans with cupped leaves.

90 acres of soybeans with cupped leaves.

10 acres of soybeans with curly leaves. Terminals are green & tentatively growing.

Cupped leaves on neighbor's field. Drift

Cupped soybean leaves with stunted growth

Soybean leaves are evenly cupped across field

Neighbor alleged drift to soybeans across woods & creek from treated DT cotton

80 acres of Non-DT soybeans with cupped leaves on the south end of field. The north end had limited podding.

40 acres of non dt-soybeans with cupped leaves & some stunting. Alleged dicamba damage from field of Larry Ryals treated DT soybeans. Chuck's field is north of Larry's

40 acres of non dt-soybeans with cupped leaves & some stunting. Alleged dicamba damage from field of Abbott Meyers treated DT soybeans. Chuck's field is east of Abbott's.

40 acres of Non-DT soybeans with cupped leaves. Wind was blowing in the opposite direction with no buffer zone.

Cupped leaves on 1/2 of 80 acres. 25 acres total

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR2)	leaf cupping
Soybeans (non-DT)	
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

cupped leaves	120	120	
cupping soybean leaves	90	120	11
cupped leaves	120	120	10
Cupped leaves, distinguished plants.	20 -30 ft.	0	5-10 mph
None - Too early to tell			
Cupping of soybean leaves.	60		
Cupping of soybean leaves.	30	0	
Cupping of soybean leaves.			
Slight cupping of soybean leaves			
Cupping of soybean leaves.	750	N/A	
Cupping of soybean leaves.			
Cupping of soybean leaves.			
Slight cupping on new trifoliates			
cupped beans	66	66	8
Dicamba symptomology	0	0	
Cupping of soybean leaves.			
Cupping of soybean leaves.			
Cupping of soybean leaves.			
Cupping of soybean leaves.			
Curled soybean leaves			
Cupped leaves		0	
Cupped leaves & stunted growth			
Cupped leaves			
Small amount of leaf cupping on soybeans in V1-V2 stage			
Cupped soybean leaves and limited podding.			
Cupped soybean leaves with some stunting	110+	110+	
Cupped soybean leaves with some stunting	110+	110+	
Cupped soybean leaves		0	4
Cupped soybean leaves	125	120	9

E	Temperature Inversion		
NE	Temperature Inversion		
NE	Temperature inversion		
NW			
SW	Drift		
	N/A		
	Alleged drift		
	Alleged drift	2-4D Damage	
NW	Tempature Inversion		Drought
	N/A		
	N/A		
	Temperature Inversion		
	Drift		
	Drift		
	N/A		
	Drift		
	Drift		
1	Possible Tank Contamination		
	Alleged drift		
	Drift		
	Temperature Inversion		
	Temperature Inversion	Possible Drift	
S	Temperature Inversion		
NE	N/A		

	48	7	12	26	120 TTI11005	20
	55	11	14	24	90 TTI11005	
	44	7	46	24	120 TTI11004	20
40-50	10-12	10	24	120	TTI11004	20

	40	6		24	90 Red Engenia Tip 114442?	20
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	15	Low	90	TTI11004
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Brookings Co -
Sec 10 SW pt -
Oak Lake
Township

47.47933 -99.776111

35.51083333 -89.5022222

36.265555 -89.4388888
36.0791666 -89.32861111

Kent Patterson admits to wind being
in direction of alleged damage.

35.9569444 -89.318888

35.93694444 -89.40305556

36.28861111 -88.5144444

37.27638889 -88.49083333
41.0748 -90.2733

42.9383 -97.22211

No more information available.

33.885 -90.091944

33.494444 -90.3508333

No more information available.
No more information available.

33.948056 -90.114444

No more information available.

34.5166666 -90.44527778

No more information available.
Richie Bibb's field was the closest to
affected field, but it is really difficult to
tell if it came from his field. There
were other nearby fields and we
couldn't say what they were sprayed
with.

34.501667 -90.385278

Alleged

34.517222 -90.4025

34.118889 -90.181667
42.924831 -95.192043

Schmidt#2 Hartley	Obrien	IA		1
Schmidt#3 Sanborn	Obrien	IA		50
Schmidt#4 Sanborn	Obrien	IA		
Susan #1 Lambrook	Phillips	AR		200
Susan #10 England	Lonoke	AR	150	45
Susan #11 Vilonia	Faulkner	AR	60	140
Susan #12 Palestine	St. Francis	AR	40	200
Susan #2 Marianna	Lee	AR		100
Susan #3 Brinkley	Monroe	AR		158
Susan #4 Aubrey	Lee	AR	100	
Susan #5 Palestine	St. Francis	AR	60	
Susan #6 Poinsett	Weiner	AR	80	150
Susan #7 Gregory	Woodruff	AR	425	
Susan #8 Dewitt	Arkansas	AR	185	80
Susan #9 DeValls Bluff	Prairie	AR	80	5
TF1 Fulda	Murray	MN		80
TF2 Windom	Cottonwood	MN		90
TF3 Canby	Yellow Medicine	MN		20
TF4 Canby	Yellow Medicine	MN		20-30
TF5 Canby	Yellow Medicine	MN	80	
TF6 Canby	Yellow Medicine	MN	80	
Thomson #1 Audubon	Audubon	IA	10	
Thomson #2 Des Moines	Polk	IA	10	

Engenia	16-Jun-2017
Engenia	
Engenia	7-Jul-2017
Engenia	
Engenia	8-Jun-2017
Engenia	
Engenia	
Engenia	9-Jun-2017
Engenia	12-Jun-2017
Engenia	
Engenia	11-Jun-2017
Engenia	14-Jun-2017
Engenia	14-Jun-2017
Engenia	21-Jun-2017
Engenia	19-Jun-2017
Engenia	16-Jun-2017
Engenia	26-Jun-2017
Engenia	30-Jun-2017
Engenia	
Engenia	21-Jun-2017
Engenia	30-Jun-2017
Engenia	30-Jun-2017

Cupped leaves from Engenia drift. Sprayed with a North wind cupped 1 acre of a field north of field sprayed.

Cupped soybean leaves from Engenia drift from across road. Damaged 50 acres. Cupped soybean leaves from Engenia drift from the farm to the south. 120 ft buffer left on the north end of field.

Parts of a 200 acre field have cupped leaves.

15 of LL acres on one field and 30 acres on a second have cupped leaves. On LL soybeans N of application site & on site to the east of application site. Buffer zone to North was less than 100'; Eastern buffer zone was 80-100'.

140 acres with alleged dicamba drift on RR soybeans. Extend beans in field just East & across freeway to South. Gradient from East to West side of field would indicate drift from the East. Beans were in V stages when incident occurred. First symptoms noticed on 06/14/17. By now beans are blooming normally. New leaves normal. Field sprayed by Charles Gillenwater for Terry McGraw.

200 acres with severe stunting and leaf cupping for a few rows in the field. In the rest of the field, there was spotty symptomology here and there. Mainly noticed in stressed spots.

100 acres with cupped leaves

158 acres with stunting, cupping & terminal inhibition

Symptoms range from plant stunting on one end to slight cupping on other side.

Darron Linn had the drifted on beans. Darrow said he was laying pipe in field and watched as Tyler made the application. He said the wind was blowing away from his field(Linn).

Terminal damage throughout whole field.

150 acres with leaf cupping sporadic across whole field. On side next to road and stunting a few rows into the field for several feet. Two fields on Hwy 78. Two affected growers (50 ac.) (100 ac.)

Leaf cupping in various areas of the field.

80 acres with light cupping in upper canopy extending 150 yds across field. 3 fields affected along Pleasant Grove Rd. Applications were made all day along road on east side of road.

5 acres with leaf cupping where the physical drift occurred. First eight rows where the drift entered field is showing moderate-severe symptomology. Past that, the symptomology goes from moderate to minimal.

Slight cupping throughout field. Beans look like are growing and pushing out new & normal trifoliates. Major damage & replanting low area, but looks like water stood and ran into low area.

1. Lat 43.78778259, Long -95.16076997 - 40 acre; 2. Lat 43.7929252, Long -95.15184357 - 40 acres; 3. Lat 43.78096693, Long -95.15253022 - 10 acres - Did NOT talk to applicator, so this was all the information I could get.

Fields were separated by a fence. Did not talk to applicator or grower, so not much information.

Fields were separated by a fence. Off-target field was on west side of field sprayed with Engenia.

Beans cupped but not severe. Just did a drive by - did not walk into field. So do not know about new trifoliates.

Cupped beans and new trifoliates are emerging normally.

This was an assurance request

This was an assurance request

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping, terminal inhibition
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	terminal inhibition
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	not dicamba
Soybeans (non-DT)	Group 15

Cupped soybean leaves	25	0	
Cupped soybean leaves			
Cupped soybean leaves	130	120	3
Leaf Cupping	10	0	
Leaf cupping	200	50-100	7
Beans are now blooming normally. New leaves normal.			
Cupping a few inhibited terminals next to field.	100	100	
Cupping of leaves			
Cupping of leaves, stunting, terminal Inhibition		0	15
Plant stunting & slight cupping	60	60	
Terminal damage throughout whole field	Greater than 60	0	
By rd stunt & severe cupping; in field(minor)			
Soybean V-8 - Not blooming	200-600	150	5
Leaf cupping	280	180	
Leaf cupping	15-20	100	6-7
slight cupping	0	0	Light
cupping & stunting - some severe when close to sprayed fields.			20+
Leaf cupping - minor, non-trifoliates emerging uncupped and normal	10		
cupping of leaves	120	120	8
cupping of leaves		120	7
Puckered beans. Can't be Engenia. Flextar used	120	120	
I saw strapping of Group 15. No cupping		120	3-6

SW	Temperature Inversion	
	Drift	
SW	Drift	
	Other	wind

NE	N/A
----	-----

S

S	Other - Physical Drift
S	Temperature Inversion

SW

S	N/A
---	-----

S	Temperature Inversion
---	-----------------------

NW	Too Windy
----	-----------

E

NW	Temperature inversion
----	-----------------------

N	Temperature inversion
S/SE	Sunny & 72
NE	Partly Cloudy & 84

40	12	10	36	120	DR110-10	
40	12	15	36	120	DR110-10	
50	10	15	24	100	TTI11005	20
Aim Command Sys - Varies Aim Command Sys 30 - 60 PSI	16	12	Knee High	100		20
	16	12-15	24	90	DR110-10	20
	15	15	24	100	5	20
30	10	15	24	90	TTI11005	20
40	15	10	24	100	TTI11005	20
58	9	15	18	120	TTI11004	20
50		15				
50		15				
35	11	15	24	120	ULD 12006	20
30	11	15	24	120	ULD 12006	20

43.170791 -95.53861

43.17148 -95.633528

43.210157 -95.584913

34.2732 -90.9854

34.55572 -91.88511

34.58452 -90.57699 Only have page 1 - No application info.

34.8557936 -91.0824242

34.65999 -90.78552

34.734539 -91.121244 Unapproachable Not able to get.

34.6958 -90.9983

35.00215 -90.950096

34.8823456 -91.0810613

35.35841 -91.33903

34.369088 -91.232561

34.7176 -91.5267

43.85330791 -95.9690622

SE 1/4 -
Section 24
Norman
Township

**Data complete as of 8/28/17 by BT

41.8375 -94.905277

41.58333 -94.6675

**Data complete as of 8/28/17 by BT

Thomson #3 Atlantic	Cass	IA	10	
Thomson #4 Walker Brothers	Audubon	IA	5	
Thomson #5 Red Oak	Montgomery	IA	3	
Tobkin #1 Durbin	Durbin	ND		160
Tobkin #10 Comstock	Clay	MN		
Tobkin #11 Moorehead	Clay	MN		
Tobkin #12 Moorehead	Clay	MN		20
Tobkin #13 Fargo	Cass	ND		
Tobkin #14 Moorehead	Clay	MN		
Tobkin #15 Moorehead	Clay	MN		
Tobkin #16 Glyndon	Clay	MN		
Tobkin #17 Halstad	Norman	MN		
Tobkin #18 Wahpeton	Richland	ND		5
Tobkin #19 Wahpeton	Richland	ND		20
Tobkin #2 Wendell	Grant	MN		120
Tobkin #20 Wahpeton	Richland	ND		Minimal
Tobkin #21 Wahpeton	Richland	ND		40
Tobkin #22 Wahpeton	Richland	ND		15
Tobkin #23 Wahpeton	Richland	ND		30
Tobkin #24 Fairmount	Richland	ND		
Tobkin #25 Wahpeton	Richland	ND		15
Tobkin #26 Wahpeton	Richland	ND		40
Tobkin #27 Wahpeton	Richland	ND		25
Tobkin #28 Wahpeton	Richland	ND		25
Tobkin #29 Wahpeton	Richland	ND		40
Tobkin #3 Wheaton	Traverse	MN		
Tobkin #4 Moorehead	Clay	MN		55
Tobkin #5 Wahpeton	Richland	ND		120
Tobkin #6 Rothsay	Wilken	MN		15

Engenia	1-Jul-2017
Engenia	1-Jul-2017
Fusilade	19-Jun-2017
Engenia	22-Jun-2017
Engenia	3-Jul-2017
Engenia	3-Jul-2017
Engenia	27-Jun-2017
Engenia	
Engenia	
Engenia	
Engenia	7-Jul-2017
Engenia	
Engenia	3-Jul-2017
Engenia	
Engenia	26-Jun-2017
Engenia	16-Jun-2017
Engenia	20-Jun-2017
Engenia	19-Jun-2017
Engenia	19-Jun-2017
Engenia	
Engenia	20-Jun-2017
Engenia	16-Jun-2017
Liberty	20-Jun-2017
Engenia	
Engenia	9-Jun-2017
Engenia	12-Jun-2017
Engenia	9-Jun-2017
Engenia	12-Jun-2017
Engenia	9-Jun-2017
Engenia	
Engenia	5-Jul-2017
Engenia	
Engenia	7-Jul-2017
Engenia	29-Jun-2017
Engenia	27-Jun-2017

This was an assurance request

This was an assurance request

The non dt soybeans showed dicamba symptoms, It appears that the on board injection tank had a leak so some chemical did drip into the boom. Chemical for DT soybeans was in the on board tank but not selected.

Gower has cupped soybeans. Retailer unknown.

Soybeans with mild cupping in the field in strips.

has cupped soybean leaves. stripping in entire field.

has 20 acres of LL Soybeans with cupped leaves.

Tank cleanout problem. soybeans that got sprayed and had tank contamination.

Tank cleanout problem. Scott Shellito has soybeans that got sprayed and had tank contamination. Prairie Edge Agri Service is applicator. Retailer unknown. Went over problem with applicator.

60 acres of soybeans with little to moderate cupping.

70 acres of soybeans with more extensive cupping & some terminal bud injury. cupping of soybean leaves close to the Engenia field with lessening as you go further out. No terminal bud injury. Want to wait 2-3 weeks then visit field again. Suspect there will be very little sign of injury.

5 acres of extend soybeans with mild to moderate cupping of leaves. New trifoliates not affected. Pod development to top of plant. Observed nematode & nymph infestation on roots - little to no loss anticipated.

minimal cupping on E 20 acres

120 acres of soybeans with cupped soybean leaves. Retailer unknown.

has hardly any cupping. Cupping earlier has grown out. No yield loss.

20 acres with minimal cupping on soybean leaves.

15 acres of soybeans with cupped leaves. Cupping is on S 40 of field. Field also had some damage from Farmers Union South Valley(097833).The South 40 had double exposure.

30 acres of soybeans with little cupping & no terminal bud injury. New trifoliates not affected. Little if no yield loss expected.

minimal damage to non-DT Soybeans due to tank contamination.

10 - 15 acres of Non DT Soybeans that have cupped leaves. More cupping on the first 40' on N side of field. More compact pod set. Would not expect much if any yield difference.

30 to 40 acres of soybeans with moderate cupping of the leaves. Would expect little yield loss.

25 acres of soybeans with moderate leaf cupping. Crop seems to be growing out of symptoms. Pod counts of affected areas are within 2-3 pods.

The grower has 25 acres of soybeans with moderate cupping with some root rot. Little yield loss if any.

The grower has 30 - 40 acres of soybeans with symptoms of dicamba injury, but more injury related to another herbicide(Flexstar). Lot of root rot injury.

The grower has soybeans that have cupping with little or no terminal bud injury. Border was sprayed on 06/26/17. Tank mix chemicals were all the same for spraying the field with the exception of Engenia on border.

has 55 acres of soybeans with moderate cupped leaves with no terminal bud injury. More symptoms on first 300 ft. of field, then symptomology decreases.

Applicator was All Crop Spraying LLC. Retailer unknown.

The farmer has 120 acres of soybeans with cupped leaves. Cupping diminishes as you move east.

The seed farm has 15 acres of moderately cupped soybeans with no terminal bud injury.

Saw dead beans on North end where RU used		120	5-7
No problems, just assurance check		120	8-10
Leaf cupping	N/A	N/A	6-19
Cupped leaves	350	240	5-8
Cupped leaf cupping in strips			10
Cupped leaves in strips across entire field.	0	0	10
Cupped leaves	110	110	11
Cupped leaves			
Cupped leaves			
Little to moderate cupping of leaves	100	0	4
Extensive cupping & some terminal bud injury	100	110	12
Leaf cupping but no terminal bud injury.	0	0	12-May
Mild to Moderate cupping of soybean leaves.	0	0	5
Minimal cupping of soybean leaves.	130	0	10
Cupped leaves	250	110	7
Hardly any cupping.	260	132	10
Minimal cupping of soybean leaves.	0	132	10
Cupping of soybean leaves.	200	0	5
Little cupping of soybean leaves	10	132	5
Minimal to very little crop damage			10
Cupped soybean leaves	40	0	12
Moderate cupped leaves		132	5
Moderate cupped leaves	260	130	10
Moderate cupped leaves			5
Leaf cupping	200	130	10
Cupped leaves	132	132	8-10
Moderately cupped leaves.	160	160	12
Cupped leaves			5
Moderately cupped leaves.	200	180	5-8

W/NW	Sunny & 75
N/NW	Sunny & 79
S/SE	N/A
SE	Drought
S	Drought
S	Temperature Inversion
S	Drought

W	Drift
NW	Drought
S	Drought

NW	N/A
NW	N/A
SE	N/A
NW	N/A
NW	N/A

NW	N/A
SW	N/A
SE	N/A

SE	N/A
NW	N/A
SE	N/A
NW	N/A
SE	N/A

SE	Drought
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NW	Drought
N	N/A
	N/A

30	11	15	24	120	ULD 12006	20
25	11	15	24	120	ULD 12006	20
40	10	15	24	100	FC-ULD 120-06	20
36	11	120	24	120	TTI11004	20
38	12	10	20	100	TTI11004	20
40	12	10	20	100	TTI11004	20
38	12	10	20	100	TTI11004	20
30	12	14	18	100	Wiliger TR 110-08	20
30	13	15	24	100	TTI11008	24
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
38	9	24	24	132	TTI11004	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
45	10	20	24	120	TTI11004	20
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
48	9	10	20	132	TTI11003	22
40	8	10	24	132	TTI11003	22
30	12	14	18	100	110-08 Aim Command	20
50	12	13	24	120	TTI1003	24
35	11	10	24	90	DR 110-10(Red)	20

41.42444	-94.9402777	
41.4952777	-94.87111	
40.98243889	-95.21638889	On board injection system malfunction
46.840556	-96.868333	No more information available.
47.016944	-95.427778	No more information available.
47.016944	-95.627778	No more information available.
47.016944	-95.627778	No more information available.
		No more information available.
47.0025	-95.429167	No more information available.
47.701667	-96.81	No more information available.
47.135	-96.724167	No more information available.
46.2025	-96.66305556	
46.11861111	-96.72305556	
46.535833	-96.225	No more information available.
46.136667	-96.6858333	
46.136667	-96.6858333	
47.018333	-95.430833	
46.167778	-96.965556	
49.2525	-95.053889	
46.039444	-96.759722	
46.068889	-96.693611	
46.111111	-96.723333	
46.092778	-96.685833	
46.115	-96.721389	
45.804487	-96.499236	No more information available.
47.018333	-95.430833	No more information available.
47.018333	-95.430833	No more information available.
47.018333	-95.430833	No more information available.

Tobkin #7 Kindred	Cass	ND	
Tobkin #8 Horace	Cass	ND	
Tobkin #9 Norcross	Grant	MN	10
Wells #1 Pella	Marion	IA	20
Wells #2 Centerville	Appanoose	IA	30
Wells #3 Washington	Washington	IA	35
Joe #9 Henderson	KY	Off-Target	35
Joe #11 Union	KY	Off-Target	60
Joe #12 Union	KY	Off-Target	111
Joe #13 Henderson	KY	Off-Target	10
Joe #14 Henderson	KY	Off-Target	89
Joe #15 Union	KY	Off-Target	20
Joe #16 Union	KY	Off-Target	1
Joe #17 Union	KY	Off-Target	150
Joe #18 Union	KY	Off-Target	20
Joe #19 Union	KY	Off-Target	6
Joe #20 McCracken	KY	Off-Target	100
Joe #21 Union	KY	Off-Target	98
			60
Joe #22 Union	KY	Off-Target	20
Joe #23 Union	KY	Off-Target	
Joe #24 Henderson	KY	Off-Target	44

Engenia	8-Jun-2017
Engenia	8-Jun-2017
Engenia	20-Jun-2017
Engenia	22-Jun-2017
Engenia	20-Jun-2017
Engenia	16-Jun-2017

Engenia
Engenia

Engenia

Engenia

Engenia
Engenia

Engenia

Engenia
Engenia

The grower has 10 acres of soybeans with moderate cupping & little or no terminal bud injury. Cossette Farms(5386545) was applicator. Retailer unknown.

Soybeans with moderate cupping on S half of field. Very little if any terminal bud injury.

The grower has 10 acres of soybeans with cupped leaves.

20 acres have cupping of new growth similar to PGR symptomology.

30 acres with cupping consistent with PGR herbicide. Determined drift would have happened 16-20 days prior to visit on 07/07/17.

35 acres with cupping consistent with PGR herbicide. Pattern suggests particle drift. Light amounts observed. Plant stress = longer effects

The grower has 35 acres with cupped leaves - take to harvest.

The grower has 60 acres with cupped, puckered leaves, less vegetative growth.

111 acres with cupped, puckered leaves, less vegetative growth. No retailer or grower info.

10 acres with cupped leaves, smaller vegetation, some dead. No retailer or grower info.

89 acres with cupped leaves, less vegetative growth

20 acres out of a 46 acre field with visual cupping, less vegetation & some chlorosis.

less than 1 acre had some puckering on leaves. 2nd Trifoliolate(Drought)

150 acres of soybeans with cupped leaves.

20 acres of soybeans with severely cupped leaves throughout entire field. No retailer or grower info.

6 acres of soybeans that is not near any sprayed field, Gardens ok in between.

Cupped leaves with less vegetation.

98 acres of soybeans that have cupped with some chlorotic leaves. Less vegetative growth.

60 acres of soybeans with puckered leaves, restricted growth, cupped leaves

20 acres of a 46 acre field of soybeans that have cupped leaves with less vegetation & yellowing.

less than an acre of soybeans with cupped leaves. Source unknown. There are 3 surrounding farmers that sprayed Engenia.

44 acres of soybeans that the top leaves are puckered and cupped.

Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (LL)	leaf cupping
Soybeans (RR)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping, stunting
Soybeans (non-DT)	leaf cupping
Soybeans (non-DT)	leaf cupping

Moderately cupped leaves with little or no terminal bud injury.	100	120	5-10
Moderately cupped leaves with little or no terminal bud injury.			5-8
Cupped leaves	200	110	3
Cupping of newer growth similar to PGR symptom	400	0	10-15
Cupping of new trifoliates on 4-5 nodes.	1200	60	9-21
Cupping of new growth on 5 nodes & trifoliates (V5)	620	120	5-9
Cupped Leaves			
Cupped puckered leaves, less vegetative growth			
Cupped puckered leaves, less vegetative growth			
Cupped leaves, smaller vegetation, some dead	0	0	
Cupped leaves, less vegetative growth	0	0	
Visual cupping, less vegetation, some chlorosis		110	
Some puckering on leaves. 2nd Trifoliolate(dry)			
Cupped leaves			
Severely cupped leaves throughout entire field.			
Cupped leaves with less vegetation.			
Must take to yield			
Puckered leaves, restricted growth, cupped leaves	0	0	
Puckered leaves, less vegetative growth and yellowing		160	
Cupped leaves.			
Puckered & cupped leaves	5280	110	

N	Beans on Beans rotation with some rhyzochtonia.
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N	N/A
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W	Drought
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S	
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SW/W	
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SW	Drought
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Possible Temperature
Inversion
Drought ?

N/A
N/A
Possible temperature
inversion

Drift

36	12	10	24	120	TTI1104	20
36	12	10	24	120	TTI11004	20
30	8	10	24	80	TTI11005	22
35	7-8	15	24	90	TTI11003	20
30-35	8	13	24	90	TTI11003(blue)	15
30-50	10-12	12	24	120	TTI11003	15

47.017222	-95.426667	No more information available.
47.017222	-95.42611	No more information available.
47.017222	-95.42611	No more information available.
41.403147	-92.851849	
40.910771	-92.887152	
41.278354	-91.816659	
37.697222	-87.850556	
37.74611	-87.94888	
37.89	-87.88638	
37.86555	-87.41333	
37.90555	-87.877222	
37.68	-88.128333	This is view date.
37.575996	-88.023726	This is view date.
37.67028	-87.8625	
37.61111	-87.866388	
37.8025	-87.877222	
37.1825	-88.946111	
37.868611	-87.823611	
37.507908	-87.93365	
37.755863	-87.604079	